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May 19, 20 & 21, 2000

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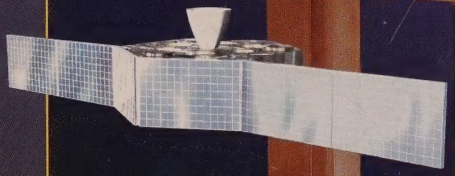

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IC-746

IC-756PRO

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IC-775DSP

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IC-781

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The radio of choice for world-class contest operators, the FT-1000MP provides 100 Watts of power, Enhanced DSP,™ Dual In-band Receive, Cascaded IF filters, General Coverage RX, and 160-10 M TX. (DC-only version also available.)

FT-920
The FT-920 HF/6M Transceiver is designed for today's active Ham. It features high-speed DSP in all modes, 127 memory channels, AFSK or FSK Digital operation, new-technology MOSFET PA finals, high-speed Automatic Antenna Tuner, and high-resolution LCD display.

FT-1000D
Truly an elite-class HF masterpiece, the 200 Watt FT-1000D provides Dual Receive (in-band or cross-band), Cascaded IF Filters, extraordinary Dynamic Range, DDS, high-speed Automatic Antenna Tuner, and 100 memory channels.

FT-100
This ultra-compact HF/VHF/UHF 100 Watt Transceiver provides SSB, CW, AM, FM and AFSK coverage of the HF, 6M, 2M and 70 CM bands. Features include 300 memory channels, built-in Electronic Memory Keyer, DSP, IF Shift, IF Noise Blanker, and CTCSS/DCS.

FT-840
Affordable yet feature filled, the FT-840 is an ideal traveling companion. It offers 160-10M TX with general coverage RX, 100 memory channels, DDS, CTCSS, Twin Band Stacking VFOs, and excellent receiver dynamic range.

FT-600
This compact 100 Watt HF Transceiver offers the utmost in operating simplicity. The MIL-STD rated FT-600 covers the 160-10M Amateur bands with General Coverage Receive, 100 memory channels, Direct Keypad Frequency Entry, and a front-mounted speaker.

VL-1000/VP-1000
The VL-1000 Quadra System is a Solid-State Linear Amplifier featuring four twin-MOSFET PA modules to produce 1000 Watts of clean power output on 160-15 Meters (500 Watts on 6M, modifiable for 12/10 meters). Included are an Automatic Antenna tuner, 2 Input and 4 Output Antenna Jacks, and extensive status displays on the multi-function LCD.

FT-847
The introduction of the FT-847 completely redefines base station operation by offering three radios in one—HF, VHF/UHF and Satellite. A full power multi-mode transceiver, the appropriately named Earth Station covers the HF, 50 MHz, 144 MHz and 430 MHz bands, and it includes crossband Full Duplex operating capability for satellite work. Its exceptional receiver performance is ready for all aspects of DX work thanks to the DSP filtering. And for local FM work both CTCSS and DCS encode/decode are built in. The FT-847 is an engineering breakthrough offering you the earth, the sky, and the moon in one compact package.

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It is with special thanks to our hosts, the Dayton Amateur Radio Association, Inc., that we participate in this year's combined Dayton Hamvention/ARRL National Convention. What better way to embark on the next 100 years of Amateur Radio! Come, celebrate with us at the largest ham radio gathering of its kind. Welcome to Dayton!

David Sumner, K1ZZ
ARRL Executive Vice President

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- **ARRL-sponsored Forums**—There's a lot going on! Pick up a schedule at the booth.
- **ARRL Membership**—Join or Renew at Dayton. Show Specials!
- **ARRL Publications**—Live software demonstrations, and loads of new books and operating resources!
- **DXCC Card Checking**—Field representatives will handle your new award or endorsement!
- **ARRL-sponsored Equipment Insurance**—Speak with the plan administrators to learn how to protect yourself from station loss or damage!
- **Ham Radio News and Issues**—Ask questions or share your ideas with the volunteers that make up ARRL's top leadership.
- **Questions about License Restructuring?**—Find out what it takes to upgrade your license.

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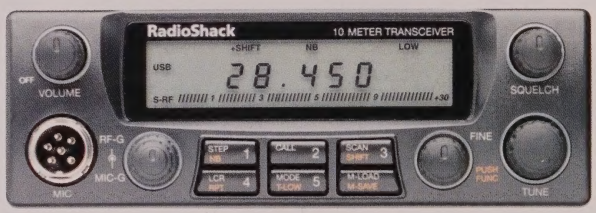


Top of the sunspot cycle! Work the world with this 25-watt 10-meter SSB transceiver–under $150.

Which means you can hop in your car and try out our new 2-meter handheld in just about no time at all. You'll avoid the hassle of ordering on the phone, the uncertainty about the quality of the product (or the dealer), and the waiting for delivery. Plus, we've got the people, parts and accessories to back up every radio we sell. If you haven't been to a RadioShack lately, you'll be happy to know there's a lot of Ham products and accessories that are definitely worth checking out. Here's just a sample of what you'll find.

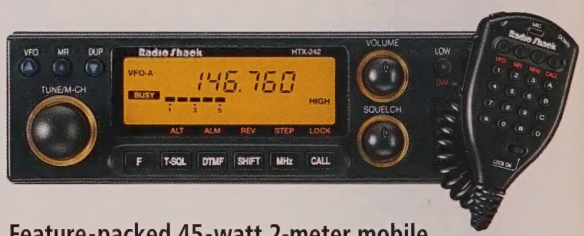
10-meter DX is sizzling. With this rig and a modest antenna such as a dipole, vertical or mobile whip you can communicate worldwide. This is a lot of radio for a small price–a great incentive for no-code Tech Hams to upgrade to the new 5 wpm-code General license. Features selectable USB/LSB modes, plus AM and full 25-watt FM operation with repeater offsets for General-class and higher Hams. Includes mobile mounting bracket and DC cord.

Requires Novice, Tech Plus, General-class or higher license.

We've got the 2-meter HT you've been asking for!

This popular 2-meter FM transceiver with easy-to-use controls is great for beginners and anyone who wants a compact handheld. Delivers 200mW with 2 "AA" batteries or 2 watt with external 9VDC. Frequency range: Transmit, 144-148MHz (Programmable 142-149.885). Receive, 138-174MHz. 30 memory channels. Built-in CTCSS encode/decode.

Requires Technician-class or higher license.



Feature-packed 45-watt 2-meter mobile.

This 2-meter FM transceiver is a solid performer with features found on more expensive rigs. Auto Memory Store locates active frequencies and holds them in memory, including appropriate repeater offsets–great for travel and new Hams. Built-in CTCSS encode and decode. Frequency-tracking receiver front end cuts intermod interference.

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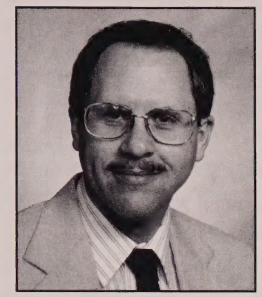
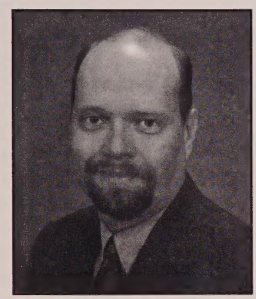
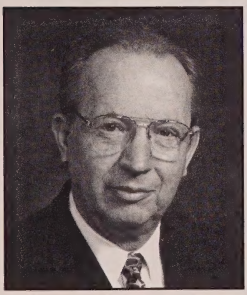


Jim Graver, KB8PSO
General Chairman



Bill Ervin, KA8WCF
Assistant General Chairman



Jim Haynie, W5JBP
President, ARRL

Welcome!

On behalf of the Dayton Amateur Radio Association, the Dayton Hamvention Committee and the American Radio Relay League, it is our pleasure to welcome you to the 2000 Dayton Hamvention and the ARRL 2000 National Convention.

The Hamvention Committee has been hard at work for over a year to plan and assemble another outstanding program. It is always our goal to provide the very best displays from equipment manufacturers and vendors, a world-class electronics flea market, stimulating and informative forums and a variety of alternate activities. This year, Hamvention is proud to host for the first time, the ARRL National Convention.

The League proudly launches the ARRL 2000 Initiative, focusing in on the new direction of the League's goals and objectives. Forums touching on all aspects of technological advancement, community service reinforcement, and education will be highlighted in 2000. This is an exciting year not only for the ARRL and Hamvention, but also for the amateur community as a whole. We encourage you to be a part of the excitement and successes to come.

We appreciate your patronage of Hamvention and invite you to let your voice be heard at the 2000 ARRL National Convention. We hope that you find some elusive treasures in our markets and a wealth of information in our forums. After you have renewed old friendships and made some new ones, have a safe trip home!

Jim Graver, KB8PSO
General Chairman

Jim Haynie, W5JBP
President, ARRL

GENERAL ADMISSION

Tickets (valid all 3 days) $22.00
Age 12 or younger FREE

Admission tickets may be purchased starting at 7:00 a.m. on Friday, Saturday and Sunday at the Hara Arena Box Office and at the tent near the East Hall entrance. A general admission ticket is required to attend the Alternate Activities.

Mail order or FAX ticket requests RECEIVED by May 1 (USA) or April 20 (Canada) were sent by return mail. Orders received AFTER the deadlines are held for pick-up at the Hara Arena box office.

OUTSIDE EXHIBITS (Flea Market)

A general admission ticket is required to enter the Outside Exhibits. See pages 32 to 35 for maps.

BANQUET & ENTERTAINMENT

Banquet tickets were sold in advance **only** this year and are not available at the door. Please see information on page 42 and map on page 27 for directions to the E.J. Nutter Center. Doors open at 5:45 p.m. on Saturday, May 20 and the banquet begins at approximately 6:10 p.m.

ENTERTAINMENT ONLY

For your entertainment at Hamvention 2000, we present Tom and Dick Smothers, The Smothers Brothers. If entertainment tickets are still available, they may be purchased at the Hara Arena ticket office and the E.J. Nutter Center for $25.00. Doors open for the show at approximately 8:15 p.m. and the performance starts at 8:30 p.m.

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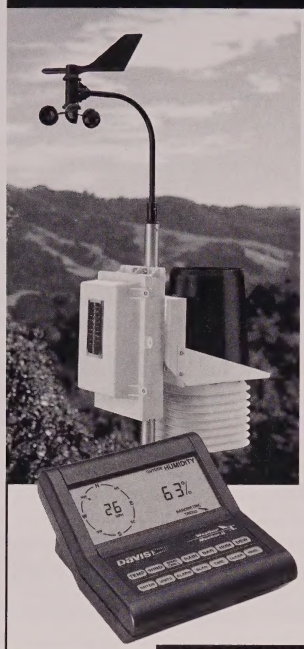

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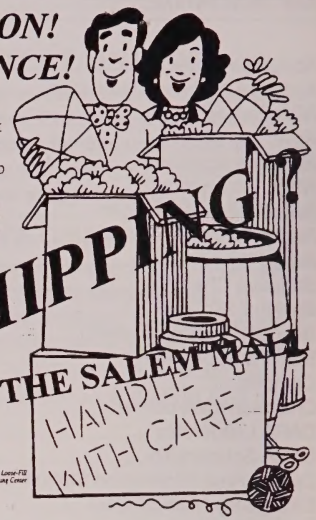

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The ARRL participates in grand style at the Dayton Hamvention 2000, as they bring the ARRL National Convention to Dayton this year. ARRL representatives will be at Booths 208-210, 220-222 and 260-262 with the following information:

- A schedule of ARRL-sponsored forums
- ARRL new membership and renewal specials
- Live software demonstrations and a wide selection of new books and operating resources.
- DXCC card checking
- ARRL-sponsored equipment insurance
- Ham radio news and issues
- License restructuring details

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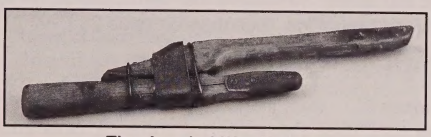


The dreaded Wouff-Hong

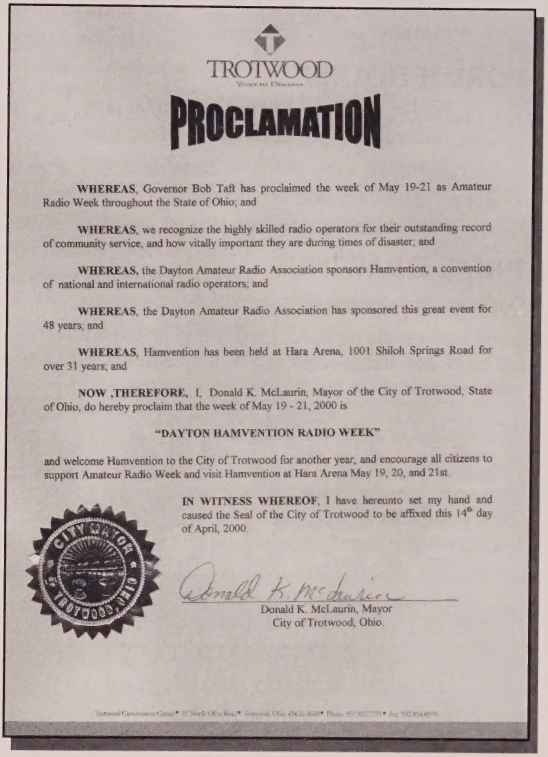
There will be a Royal Order of the Wouff-Hong Ceremony at **11:00 p.m.** on Saturday, May 20 at the Dayton Marriott Hotel, located at 1414 South Patterson Blvd, Dayton. The exact room location will be posted in the Marriott lobby on Saturday and at the ARRL booth during the show on Friday and Saturday. There is no charge and it is open to ARRL members ***only*** and candidates for the ceremony. High-ranking ARRL officials will be taking part in the ceremony, as well as new members of the Wouff Hong.

For more information, contact Joe Phillips, K8QOE, ARRL Ohio Section Manager, at the ARRL booth.

The Old Man, Hiram Percy Maxim, W1AW, co-founder and first president of ARRL, first heard the Wouff Hong described amid the howls and garble of QRM as he tuned across a band filled with signals which exemplified all the rotten operating practices.

As amateur technology advanced, new and improved techniques of rotten operating were created.

The Old Man never prescribed the exact manner in which the Wouff Hong was to be used, but amateurs need only a little imagination to surmise how painful punishments were inflicted on those who stoop to liddish behavior on the air.



TROTWOOD

Yesterday Tomorrow

PROCLAMATION

WHEREAS, Governor Bob Taft has proclaimed the week of May 19-21 as Amateur Radio Week throughout the State of Ohio; and

WHEREAS, we recognize the highly skilled radio operators for their outstanding record of community service, and how vitally important they are during times of disaster; and

WHEREAS, the Dayton Amateur Radio Association sponsors Hamvention, a convention of national and international radio operators; and

WHEREAS, the Dayton Amateur Radio Association has sponsored this great event for 48 years; and

WHEREAS, Hamvention has been held at Hara Arena, 1001 Shiloh Springs Road for over 31 years; and

NOW ,THEREFORE, I, Donald K. McLaurin, Mayor of the City of Trotwood, State of Ohio, do hereby proclaim that the week of May 19 - 21, 2000 is

"DAYTON HAMVENTION RADIO WEEK"

and welcome Hamvention to the City of Trotwood for another year, and encourage all citizens to support Amateur Radio Week and visit Hamvention at Hara Arena May 19, 20, and 21st.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the Seal of the City of Trotwood to be affixed this 14th day of April, 2000.

Donald K. McLaurin, Mayor
City of Trotwood, Ohio.

EXHIBITS, INSIDE HOURS

Exhibits open and prizes on display

Friday	9:00 a.m.* - 6:00 p.m.
Saturday	8:00 a.m. - 5:00 p.m.
Sunday	8:00 a.m. - 1:00 p.m.

EXHIBITS, OUTSIDE HOURS

(Flea Market)

Friday	8:00 a.m. - 6:00 p.m.
Saturday	8:00 a.m.* - 5:00 p.m.
Sunday	8:00 a.m.* - 1:00 p.m.

FORUM HOURS

Friday	10:00 a.m.* - 5:00 p.m.
Saturday	8:30 a.m.* - 5:00 p.m.
Sunday	8:00 a.m. - 12:45 p.m.*

Some Forums are held at Meadowdale High School. Shuttle bus service from Hara is provided.

PRIZE DRAWINGS

Drawing for major prizes: 1:00 p.m. Sunday.

All inside areas except Prize Drawing Area (Hara Arena) will be closed and secured at 1:00 p.m. Sunday. Hara Arena will be closed at the conclusion of the prize drawings.

MESSAGE CENTER

Leave a message for your friends by entering their call sign and message at the DARA Booth #1 (next to the Prize Booth). See map pages 24 and 25. Prize monitors throughout the arena complex and at the DARA Booth will periodically list "message holding," by call sign.

TALK-IN FREQUENCIES

For directions and assistance in the Dayton Area during your visit to Hamvention, contact "Talk-In" on the DARA Repeater 146.94 (-), or the MVFMA repeater 146.91(-). Dayton Hams also monitor 223.94 (-), and 442.1 (+).

BAGGAGE CHECK

Baggage can be checked for $3.00 per claim check in the Production Service Trailer #1, which is located at the right of the Conference Center entrance. All items must be reclaimed by closing time each day. Time extended to 3:00 p.m. on Sunday. No overnight storage is permitted.

LOST AND FOUND

The five Information Booths, located in the Hara Arena lobby, the East Hall lobby, the Conference Center lobby, the Ballarena lobby and the North Hall entrance will accept lost items. To retrieve lost items, please go to the Hara Arena box office. (See map on page 24.)

SHIPPING SERVICE

Mail Boxes Etc. offers freight service from the "floor of Hamvention," near the North Hall entrance, Door 20. (See map on pages 24 and 25.)

Hours:	Friday	9:00 a.m.	-	6:00 p.m.*
	Saturday	8:00 a.m.	-	5:00 p.m.
	Sunday	8:00 a.m.	-	1:00 p.m.

LICENSE EXAMS

License exams for all pre-registered candidates will be held at Meadowdale High School on Saturday. Shuttle bus service is provided from Hara Arena to the test site. Walk-Ins are accepted, if room is available. Tests begins at 10:00 a.m. Doors open at 9:00 a.m. for check-in.

* New hours for 2000.

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Dayton Amateur Radio Association (DARA) and Hamvention fully support, and are committed to the objectives of the Americans with Disabilities Act (ADA). DARA and Hamvention strive to provide equal opportunity to all qualified persons to participate in Hamvention. Our objective is to provide access to the event that we organize and we expect nothing less of those who provide building facilities, exhibits, and services to our event.

DAYTON INFORMATION STATION & RESTAURANT RESERVATION BOOTH

Looking for area maps, entertainment options, available hotel rooms, a good place to eat or general visitor information? Stop by the Dayton/Montgomery County Convention & Visitors Bureau's booth located in the Hara Arena concourse. A knowledgeable Dayton Ambassador will be happy to assist!

The Barnsider
For steaks and seafood

937-277-1332 $9.50 - $21.95

5202 N. Main St., Dayton, OH, north of Needmore Rd.

Hours of Operation:
Thursdays: 5 to 10:00 p.m.; Fridays & Saturdays: 4 to 10:00 p.m.; Sundays: 12 to 10 p.m.

Bravo Italian Kitchen
For Italian cuisine

937-439-1294 $6.95 - $17.95

2148 Miamisburg-Centerville Road, Centerville, OH, 1/2 mile east of the Dayton Mall. Banquet rooms are available.

Hours of Operation:
Thursdays: 11 a.m. to 10:00 p.m.; Fridays & Saturdays: 11 a.m. to 11:00 p.m.; Sundays: 11 a.m. to 10 p.m.

Central Perc Coffee House
Featuring light European pastries and high tea

937-299-5282 80¢ - $5.00

2315 Far Hills Ave., Oakwood, OH, in the Shops of Oakwood

Hours of Operation:
Thursdays: 7:30 a.m. to 7:00 p.m.; Fridays & Saturdays: 8 a.m. to 5:00 p.m.; Sundays: closed

Jay's Restaurant
For fresh seafood

937-222-2892 $13 - $26

225 E. Sixth St., Dayton, OH, east of Patterson Blvd. in the historic Oregon District

Hours of Operation:
Thursdays: 5 to 10:30 p.m.; Fridays & Saturdays: 5 to 11:00 p.m.; Sundays: 5 to 9 p.m.

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Only $7.95

Second buffet at half price. Fresh pastas, carved meats, build your own sandwich, salads, sides & desserts. Mon – Fri 11 a.m. – 2:30 p.m. Must present coupon. Not valid with other offers.
Expires 5/21/00

Sunset celebration Friday Evening Prime Rib Buffet All you care to eat

Two buffets only

$24.95

Fresh salads, side dishes, breads and desserts. Fri 5 p.m. – 10 p.m. Must present coupon. Not valid with other offers. **Expires 5/21/00**

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... Our delicious food is cooked to order, served hot off the grill.

... We've found at least 844,739 ways to prepare the best hamburgers in the business.

... and we have the friendliest waitresses in the business.

M² THE WAIT IS OVER !!

KT34XA Revisted by Original Designer

M2 has taken Mike Staal's 1977 design and used computer technology to optimize the legendary KT34XA's performance. The result is a 6 element *K*iller *T*ribander !!

With M2's new design there is...

- ***CNC Machined clamps***
- ***Quality you have come to expect***
- ***And of course no pop rivets***

With M2's new design there is no more...

- ***Lexan Insulators***
  That break, and not to mention are very rare !
- ***Sheet metal straps***
  Don't always fit correctly, causing poor electrical connections
- ***Hose clamps***
  That do not hold well, causing element misalignment

Introducing the KT36XA Tribander from M2

M2's - KT36XA		Competitors	
BAND / FREQ	GAIN (dBi)/ FB	BAND / FREQ	GAIN (dBi)/ FB
20M / 14.000	9.07 / 20.23	20M / 14.000	8.49 / 19.73
20M / 14.200	9.14 / 17.38	20M / 14.200	8.77 / 16.03
20M / 14.350	9.11 / 15.49	20M / 14.350	8.93 / 12.13
15M / 21.000	9.16 / 19.72	15M / 21.000	7.81 / 18.86
15M / 21.200	9.27 / 22.35	15M / 21.200	8.14 / 23.78
15M / 21.400	9.22 / 21.93	15M / 21.400	8.55 / 31.61
10M / 28.000	10.09 / 20.82	10M / 28.000	8.04 / 23.24
10M / 28.400	10.58 / 17.25	10M / 28.400	9.26 / 23.55
10M / 28.800	10.43 / 13.77	10M / 28.800	10.08 / 20.53

**** Look for KT34XA to KT36XA upgrade kits coming soon !!***

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BUS TRANSPORTATION

There will be Bus Service provided between Hamvention and our satellite parking areas which include: Salem Mall, UD Arena and the KOA campground. Buses will run continuously starting at 7:30 a.m. and make routes as quickly as possible. Due to changing traffic patterns and bus loads, an exact bus schedule is impossible.

Avoid parking problems by riding the HAMVENTION buses.

Shuttle bus service from Hara is provided for Forums held at Meadowdale High School.

BANQUET ROUTE

A bus will only be available from Dayton Tall Timbers Resort (KOA) to and from the Nutter Center.

PARKING

There are approximately 8,000 privately owned pay-to-park parking spaces near Hara Arena. (See map inset on page 27.) In addition, we have again arranged for free parking and shuttle bus service at the Salem Mall and the University of Dayton (UD Arena). Semi-tractor/trailers and large self-contained vehicles can park in the designated area at the Salem Mall. However, overnight parking is not permitted.

CAMPING

Campers, trailers, self-contained vehicles, or vehicles that require more than one space can park at the Salem Mall and take the shuttle bus to Hara Arena. No overnight parking is allowed. Campers and trailers may park/camp at Tall Timbers KOA (1-937-833-3888). Shuttle bus service available.

TEMPORARY LOADING PASS

You can obtain a temporary loading pass from the guard at Entrance 1 (Hara Arena main entrance, via Wolf Rd.) during the show. This restricted loading pass will be good for 20 minutes and will allow you to use a designated area to load and unload equipment or to pick up your exhibitor packet at the Exhibits Office. These passes will be time stamped and must be given to the guard at Exit Number 1 when you leave. (See map on pages 24 and 25.)

WHEELCHAIRS

A limited number of wheelchairs and scooters have been reserved in advance. To inquire about wheelchairs, contact Advanced Medical Equipment in Booth 618.

ADA PARKING PASSES

Handicapped visitors have been issued special parking passes in advance. No public parking is available at Hara Arena.

ACCURATE ADDRESS INFORMATION NEEDED

Did you fail to get advance Hamvention information in the mail this year? If so, there may have been a problem with your mailing address. Our mailing list is compiled from information taken from ticket stubs that are dropped in the prize drum.

BANKING SERVICES

National City Bank (NCB) has a Salem Mall branch with normal Saturday hours. For your convenience there is an ATM at the front entrance to Hara Arena.

EMERGENCY MEDICAL CARE

We have on-site Emergency Medical Service, located in a tent near the front of Hara Arena.

There is an Urgent Care Office located at:

5915 N. Main Street 278-3826

Their hours of operation are from 8:30 a.m. to 10:00 p.m.

From Hara Arena, take Shiloh Springs Road east to the traffic light at Main Street, turn left, to the first building on the left.

Also located in the area is Good Samaritan Hospital:

2222 Philadelphia Drive 278-2612

From Hara Arena, take Wolf Road to Salem Avenue, take a left, proceed to the traffic light at Philadelphia Drive.

TAXI INFORMATION

We have negotiated with Yellow Cab to provide on-site service at Hara Arena. Yellow Cab is offering flat rate service for Hamvention weekend to and from Hara Arena and Dayton area hotel/motels and restaurants.

The following companies offer taxi service in the Greater Dayton Area:

Yellow Cab .....(937) 228-1155
Liberty Cab .....(937) 222-2822
Checker Cab .....(937) 222-4011

SPECIAL EVENT STATIONS

This year we will have two Special Event Stations, W8BI (Dayton Amateur Radio Association) with sponsorship by Alinco and W1AW (ARRL). Both stations will be located at the west end of the outdoor exhibits area (flea market) in the same trailer and will be well marked. (See map on page 32.) All amateurs are welcome to operate either station during open show hours.

Stations will operate from Thursday evening May 18 through Sunday evening, May 21, 2000 at 25kHz up from the bottom portion of the SSB and CW General bands, 10 through 80 meters and on VHF at 147.57.

Certificates will be given to all operators and QSLs mailed to all contacts.

W8BI/8 QSLs hams and SWLs 100 percent. To QSL, send a 9 x 12 SASE for a card and certificate to:

W8BI/8
P.O. Box 44
Dayton, Ohio 45401-0044

or QSL via the Bureau for a card only.

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TELEGRAPH KEY MUSEUM

Once again the W1TP Telegraph Museum will be set up in the outside exhibits area in spaces 2551-2554. It will be open throughout Hamvention.

There will be more than 500 rare and historic telegraph keys dating from well before the Civil War to present day.

Tom Perera, W1TP, will be buying, trading and photographing keys for his museum as well as providing free history, appraisals and pretzels.

Enthusiasts are invited to bring old or unusual keys for a show and tell.

VINTAGE RADIO STATION OPERATION

A vintage AM radio station will be located in the outside exhibitor's tent area in Booth 817, (See map on page 32.) all three days of Hamvention, to usher in the new century with the sound of Amplitude Modulation produced by classic amateur radio gear. Demonstrations include a high-fidelity transmitting and receiving setup to encourage passersby to participate in the warm and inviting nature of operating older rigs.

The revival of AM and vacuum-tube equipment has become a popular specialty within the hobby, as hams nurture "hands on" experience building, restoring, and maintaining a technology which has long been a part of radio's heritage.

Many examples of this older gear are found in the Hamvention Outside Exhibits area, and station operators will be happy to offer guidance on selecting rigs. No on-site testing is available during station operations.

FRIDAY, MAY 19

PHANTOM'S AMATEUR RADIO GROUP INTERNATIONAL (PARG)

Times and locations for these events will be announced on the PARG repeater net.

PARG will host a Hospitality Suite and a two-part Banquet. The PARG net will be available for check-in every morning on the PARG repeater (443.575 MHz/+5 MHz/100 Hz PL) providing solid coverage. Banquet topic will be "Repeaters, the Internet, & Lids" with speakers President Justin Bousquet and co-founder Larry F. Johnson. The PARG Interference Committee will be active as in past years.

4:00 **LAMBDA AMATEUR RADIO CLUB (LARC)**

Ramada Inn, 4079 Little York Road, Dayton, OH

Established in 1975, LARC is the only open and visible public service-oriented club for gay and lesbian hams and their friends. We are also the only gay club that is affiliated with the ARRL. Membership is open to all. Join us at our hospitality suite; look for the signs in the hotel lobby. If you have questions, call Doug Braun, KB8TGT, at the Ramada Inn: (937) 890-9500.

4:00 **RAINBOW AMATEUR RADIO ASSOCIATION**

Huber Heights Comfort Inn, 7907 Brandt Pike, Huber Heights, Ohio

A radio club for gays, lesbians, and their friends. Look for sign in lobby for location of our hospitality suite. For more club info, please check our web page at www.rara.org

6:30 **COLLINS COLLECTORS ASSOCIATION BANQUET**

Dayton Marriott Hotel, 1414 South Patterson Blvd., Dayton, OH

The Collins Collector Association is a group of almost a thousand like-minded Amateur Radio operators from all over the world that are interested in restoring and operating classic Collins Radio equipment. This is the best opportunity to meet with other Collins Radio users and collectors from all over the globe (like Bob Heil, K9EID and Joe Walsh, WB6ACU). The CCA has been gathering at Dayton annually since 1991.

6:30 **DX DINNER (15TH ANNUAL)**

Crowne Plaza Hotel, E. Fifth and S. Jefferson Streets, Dayton, OH

There will be a cash bar at 6:30 p.m. and dinner at 7:15 p.m. Sponsored by Southwest Ohio DX Association.

6:30 **IVCA BANQUET**

Howard Johnson Motel, 7575 Poe Ave., Dayton, OH

This event will include a banquet, speaker and technical meeting. Banquet tickets are available in booth 211 and at the motel. Attendance at the banquet is not required to participate in the technical meeting.

7:00 **ATV-FAST SCAN MEETING, SPONSORED BY ATNA**

West Carrollton Lions Club, 427 East Main Street, West Carrollton, OH.

Presentations, door prizes and snacks provided. For directions stop by Booth 107, W8BI-ATV / ATNA.

7:00 **CONTEST SUPER SUITE**

Crowne Plaza Hotel, Miami Room (2nd floor), E. Fifth and S. Jefferson Streets, Dayton, OH

Hosted by North Coast Contesters, Mad River Radio Club and Frankford Radio Club. Sponsored by RF Applications. Contesters and DXers are invited to join us in the CONTEST SUPER SUITE (Miami Room) which can accommodate 300 or 400 contesters and DXers. The Suite will remain open until 2:00 a m. and will include tables, chairs, product demonstrations and a cash bar.

7:00 **HETEROSEXUAL RADIO OPERATOR'S SOCIETY (HeROS)**

Ryan's Family Restaurant, 4111 Little York Rd., Dayton, OH

HeROS is a public service oriented club which affirms the straight majority status of its members. HeROS works publicly for the benefit of all amateurs by promoting actions with opposite genders and good will in ham radio.

7:00 **QCWA**

Alex's Continental Restaurant, 125 Monarch Lane, Miamisburg, OH (near intersection of I-75 and Route 725, then proceed 1/2 mile west on 725)

The Southwest Ohio Chapter 9 will hold its annual dinner meeting with a COD bar at 7:00 p.m. and dinner at 7:30 p.m. "The Magic Spy Glass," made by the late Bob Mawdsley, W9ELU and David Clute will be presented.

7:00 **QRP-ARCI AWARDS BANQUET**

Ramada Inn Dayton Mall, 3555 Miamisburg-Centerville Rd., Miamisburg, OH

The banquet honors QRP dignitaries for their service to the amateur radio community. Cost is $25.00 per person and may be purchased at the door. This year's banquet speaker is Wayne Burdick N6KR of the Elecraft Company, producer of the K2 transceiver kit.

8:00 **WESTERN NEW YORK DX ASSOCIATION, THE 59(9) REPORT AND KANSAS CITY DX CLUB**

Crowne Plaza Hotel, Hospitality Suite Room 325, E. Fifth and S. Jefferson Streets, Dayton, OH

Drop in for an eyeball with the Big Guns and Little Pistols. Everyone is welcome.

9:00 **QRP-ARCI VENDOR NIGHT**

Ramada Inn Dayton Mall, 3555 Miamisburg-Centerville Rd., Miamisburg, OH

Vendor Night is free of charge.

SATURDAY, MAY 20

PHANTOM'S AMATEUR RADIO GROUP INTERNATIONAL (PARG)

Times and locations for these events will be announced on the PARG repeater net.

PARG will host a Hospitality Suite and a two-part Banquet. The PARG net will be available for check-in every morning on the PARG repeater (443.575 MHz/+5 MHz/100 Hz PL) providing solid coverage. Banquet topic will be "Repeaters, the Internet, & Lids" with speakers President Justin Bousquet and co-founder Larry F. Johnson. The PARG Interference Committee will be active as in past years.

7:00 **SETI**

Dayton Marriott Hotel, 1414 South Patterson Blvd., Dayton at 7:00 a.m.

An informal gathering of amateurs interested in SETI will meet for breakfast at the Dayton Marriott Hotel breakfast buffet.

12:00 **FLYING BOAT AMATEUR RADIO SOCIETY**

Hara Arena Conference and Exhibition Center, Concession area (cafeteria)

The group will meet for a small reunion/luncheon in the center of the Hara concession area at noon. Look for sign. Food and drinks are available at concessions.

2:00 **OH-KY-IN ARS FOX HUNT**

A Transmitter Hunt will begin at 2:00 p.m. Details of the hunt will be available at the 10:15 a.m. Fox Hunters forum. Hunt ends at approximately 4:00 p.m.

4:00 **RAINBOW AMATEUR RADIO ASSOCIATION**

Huber Heights Comfort Inn, 7907 Brandt Pike, Huber Heights, Ohio

A radio club for gays, lesbians, and their friends. Look for sign in lobby for location of our hospitality suite. For more club info, please check our web page at www.rara.org

6:00 **LAMBDA AMATEUR RADIO CLUB (LARC)**

Ramada Inn, 4079 Little York Road, Dayton, OH

Hospitality suite open at 6:00 pm. Annual meeting at 7:00 pm followed by banquet. Established in 1975, LARC is the only open and visible public service-oriented club for gay and lesbian hams and their friends. We are also the only gay club that is affiliated with the ARRL. Membership is open to all. Join us at our hospitality suite; look for the signs in the hotel lobby. If you have questions, call Doug Braun, KB8TGT, at the Ramada Inn: (937) 890-9500.

6:30 **ATNA DINNER/MEETING, OPEN TO ALL ATVers**

Down The Pike, 1603 South Alex Road, West Carrollton, OH

Open menu $7.00 to $16.00. For directions stop by Booth 107, W8BI-ATV / ATNA.

6:30 **8TH ANNUAL DAYTON CONTEST DINNER**

Crowne Plaza Hotel, Van Cleve Ballroom, E. Fifth and S. Jefferson Streets, Dayton, OH

This event is hosted by North Coast Contesters and is sponsored by CQ Magazine. Cash bar opens at 5:30 p.m. The 2000 Contest Hall of Fame Inductions will be announced by the CQ WW DX Contest director K3EST. Suite will accomodate 300.

7:00 **CONTEST SUPER SUITE**

Crowne Plaza Hotel, Miami Room (2nd floor), E. Fifth and S. Jefferson Streets, Dayton, OH

Hosted by North Coast Contesters, Mad River Radio Club and Frankford Radio Club. Sponsored by RF Applications. Contesters and DXers are invited to join us in the Contest Super suite (Miami Room) which can accommodate 300 or 400. The Suite will remain open until 2:00 a m. and will include tables, chairs, product demonstrations and a cash bar.

7:00 **QRP-ARCI BUILDING CONTEST & RADIO SHOW**

Ramada Inn Dayton Mall, 3555 Miamisburg-Centerville Rd., Miamisburg, OH

A Building Contest and Radio Show will be held at the hotel. This event is free of charge.

8:00 **WESTERN NEW YORK DX ASSOCIATION, THE THE 59(9) REPORT AND KANSAS CITY DX CLUB**

Crowne Plaza Hotel, Hospitality Suite Room 325, E. Fifth and S. Jefferson Streets, Dayton, OH

Drop in for an eyeball with the Big Guns and Little Pistols. Everyone is welcome.

9:00 **COLLINS COLLECTORS ASSOCIATION HOSPITALITY SUITE**

Dayton Marriott Hotel, 1414 South Patterson Blvd., Dayton, OH

The Hospitality Suite is open to anyone with an interest in Collins Amateur Radio equipment.

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Website: http://www.rochesterhamfest.org

HAMVENTION TICKET REQUIRED

The Dayton/Montgomery County Convention & Visitors Bureau is pleased to present the following activities to enhance your stay during the 2000 Hamvention. All activities require a Hamvention ticket in addition to the event-specific ticket as priced below. All buses depart and return to the Hamvention bus pick-up/drop-off area at the Hara Arena Complex. All activities have limited space. Due to unforeseen circumstances, activities may be subject to change.

A purchased Hamvention ticket and a ticket for the selected trip are required to board the bus. **No complimentary tickets accepted.**

FRIDAY, MAY 19

Dine-A-Round

10:15 a.m. to 2:00 p.m.

Enjoy a diverse sampling of the quality dining establishments the Dayton/ Montgomery County area has to offer. Our culinary journey will begin at the artsy and eclectic Café Potage. This restaurant has been described as a "happy place" with brightly colored furnishings, refurbished antiques and local artwork displays. Owner and Chef Cheryl Brandewie is famous for her starter soups which will be the feature of our first stop. We will then enjoy a fabulous view of the City as we dine overlooking the northern view atop the Kettering Tower at the Racquet Club - one of Dayton's oldest and most prestigious members-only clubs. The Racquet Club will serve our main entree while working to prove their reputation for impeccable service and innovative cuisine. Our final stop for the day will be at Pacchia which in Italian means "good eating and drinking." This will certainly be the case in the progressive California style Italian restaurant located in the historic Oregon District. Pacchia will serve our scrumptious, memorable dessert.

Cost: $20.00 per person
Bus Loads: 10:15 a.m.
Bus Departs: 10:30 a.m.
Bus Returns: 2:00 p.m.

City Art & Architecture Tour

12:45 p.m. to 4:30 p.m.

Grab some lunch at the Hara Arena Complex and join us for a tour highlighting the fabulous art and architecture in the Dayton area. We'll take a driving, narrated tour throughout downtown to experience and learn about all of the artistic opportunities that exist. We will enjoy the beauty of the European and American Wings of the Dayton Art Institute with a guided tour. In addition to the visual arts, we will also learn about Dayton's flourishing performing arts community. In one of Dayton's seven Historic Districts, we will tour a private home. A mid-afternoon snack with beverages will be served. Make sure you listen carefully because a trivia game with prizes will complete our return trip.

Cost: $7.00 per person
Bus Loads: 12:45 p.m.
Bus Departs: 1:00 p.m.
Bus Returns: 4:30 p.m.

SATURDAY, MAY 20

Shop Til You Drop

8:45 a.m. to 3:00 p.m.

Grab your credit cards and wear your most comfortable shoes because this is one day you are going to want to be able to move (and spend) without restraint! We are going to hit the Jeffersonville Prime Outlets Mall. This unbelievable collection of shops features women's, men's and children's, apparel, active wear, health & beauty, luggage, handbags and accessories, shoes, housewares and specialty items. A food court will provide opportunity for dining — if you can break away from stores like Ann Taylor, Eddie Bauer, Ralph Lauren, Gap, Tommy Hilfiger, Esprit, Fila, Nike, Coach, Nine West, Villeroy & Boch, Black & Decker, Harry and David and the Nature Company, just to name a few — Whew!

Cost: $10.00 per person
(purchases not included)
Bus Loads: 8:45 a.m.
Bus Departs: 9:00 a.m.
Bus Returns: 3:00 p.m.

Eat a Little, Learn a Little

10:30 a.m. to 3:30 p.m.

We'll start out slow with a casual dining experience at the Peasant Stock Restaurant in the Town & Country Shopping Center. This Dayton favorite is described as unforgettable French-Euro cuisine with a casually upscale setting. Our appetizers will be served in reception style allowing for movement throughout the restaurant to view the local art display. The brunch-themed entree will be served in the all-glass Garden Patio area. In order to give ourselves plenty of time before we dive into our dessert class, we will take a leisurely drive through some of Dayton's charming neighborhoods. Then, back by popular demand, Chef Frank Liebold of Sinclair Community College's Culinary Arts program will teach us some of the latest dessert preparation techniques. We will make our cake and eat it too!

Cost: $20.00 per person
Bus Loads: 10:30 a.m.
Bus Departs: 10:45 a.m.
Bus Returns: 3:30 p.m.

Garden Tours

9:30 a.m. to 3:30 p.m.

Pack your most comfortable shoes and don't forget your cameras because our day-long walk through Dayton's gardens will provide opportunities galore for beautiful photos. Our day will focus on three different parks in the Five Rivers MetroParks system: Aullwood Garden which boasts an abundance of floral displays reflecting a natural look that harmonizes with the surrounding woodland at the 32-acre country garden. The lovely gardens at Cox Arboretum feature seasonal displays of bulbs, annuals and perennials set amidst collections of trees, shrubs and nature trails. And the Stillwater Gardens and Wegerzyn Center houses a variety of vignette gardens including the Rose Garden, Victorian Garden and Children's Garden. All stops will provide opportunity for shopping and/or learning. Lunch will be served in one of the beautiful settings.

Cost: $15.00 per person
Bus Loads: 9:30 a.m.
Bus Departs: 9:40 a.m.
Bus Returns: 3:30 p.m.

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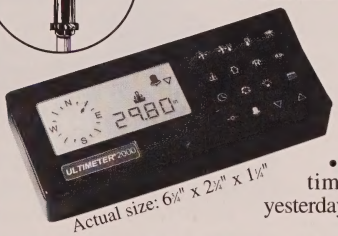

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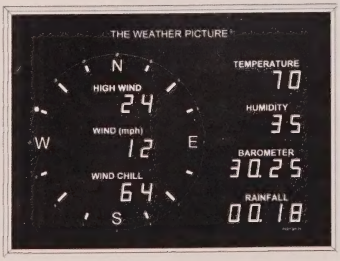

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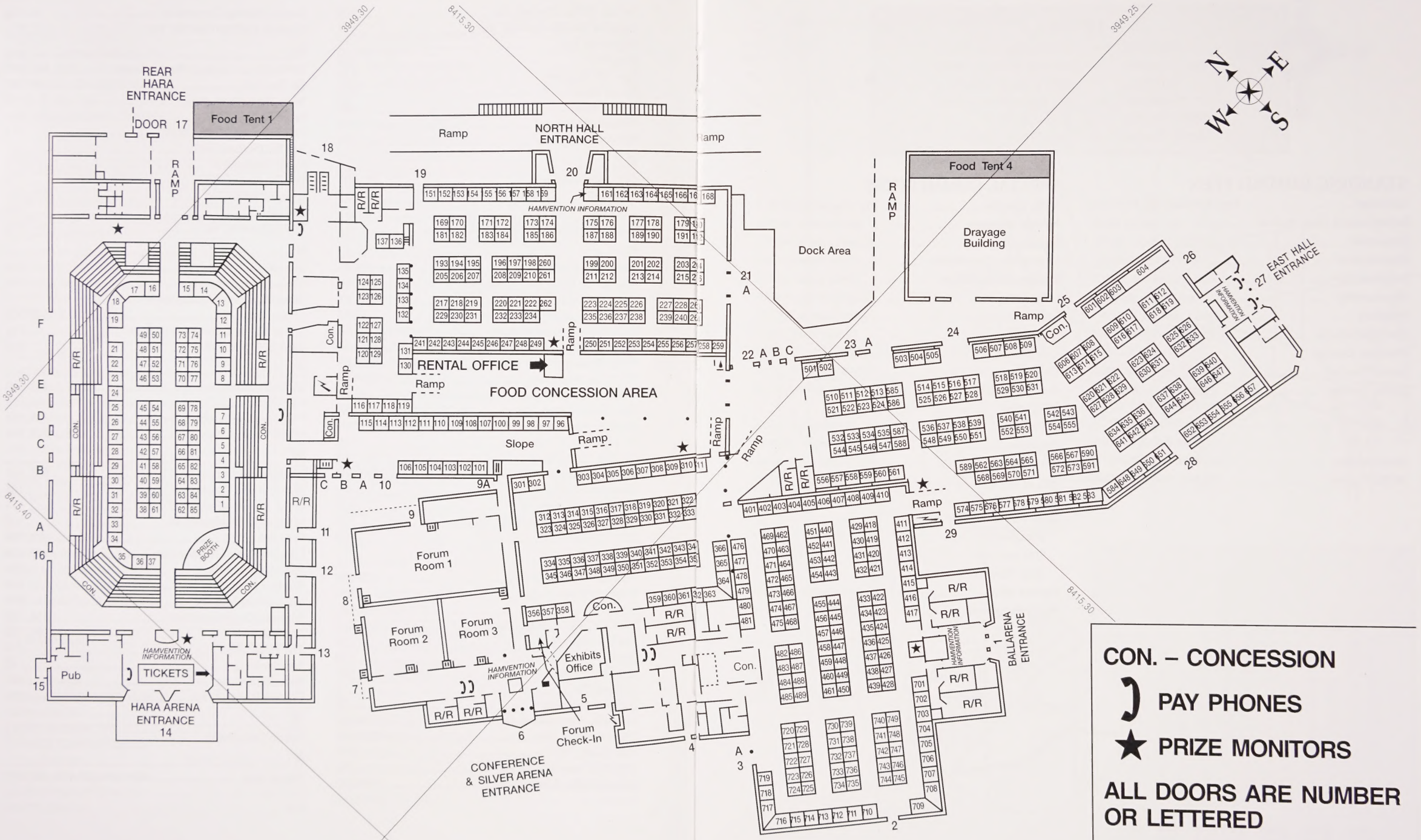

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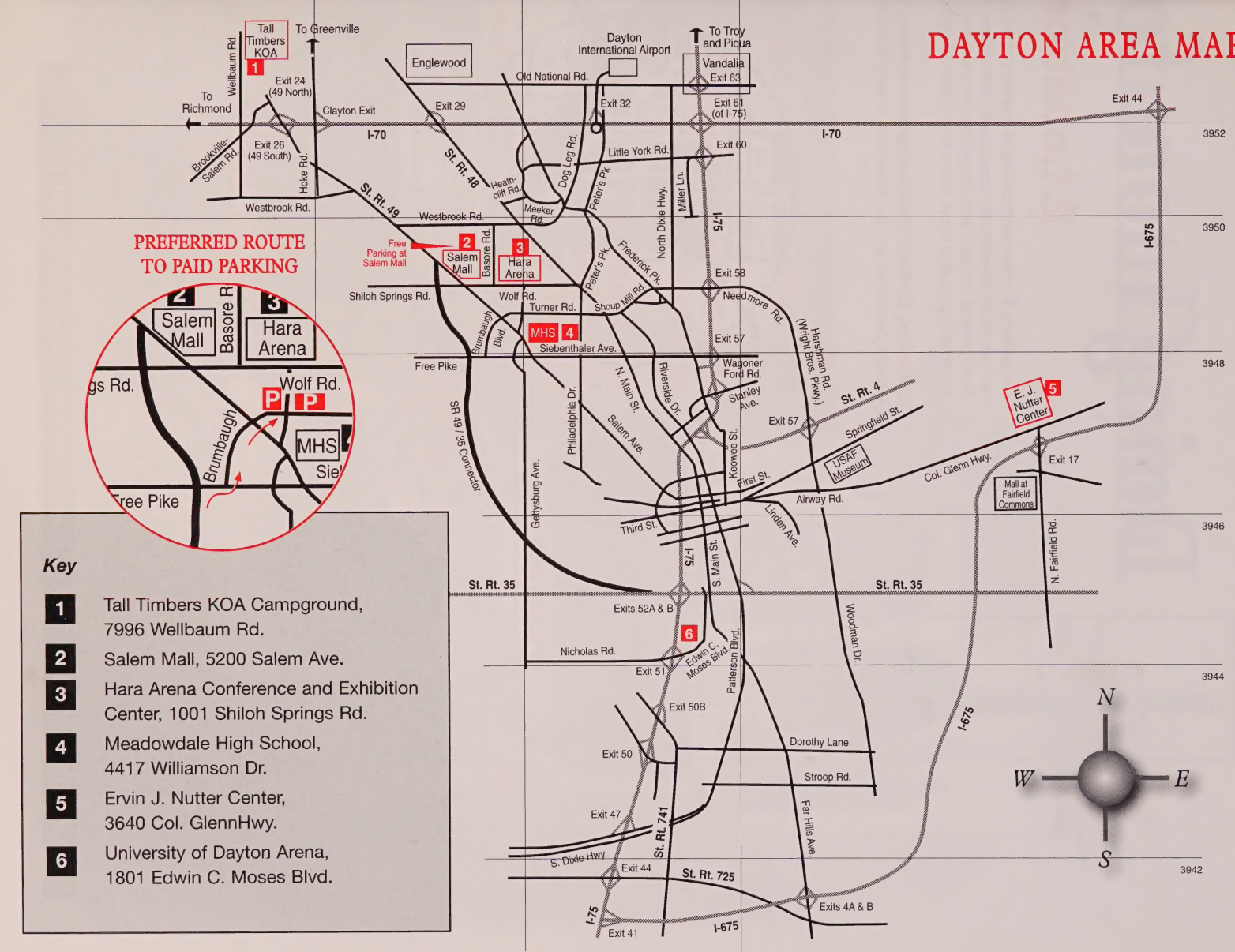

Key

1. Tall Timbers KOA Campground, 7996 Wellbaum Rd.
2. Salem Mall, 5200 Salem Ave.
3. Hara Arena Conference and Exhibition Center, 1001 Shiloh Springs Rd.
4. Meadowdale High School, 4417 Williamson Dr.
5. Ervin J. Nutter Center, 3640 Col. GlennHwy.
6. University of Dayton Arena, 1801 Edwin C. Moses Blvd.

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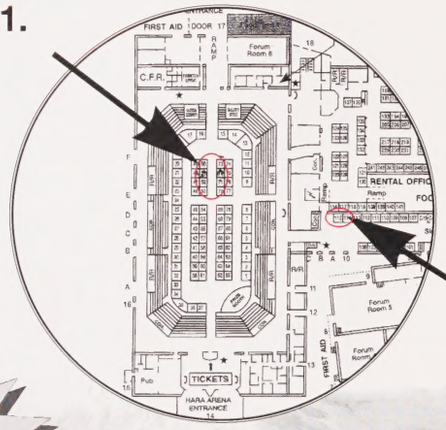

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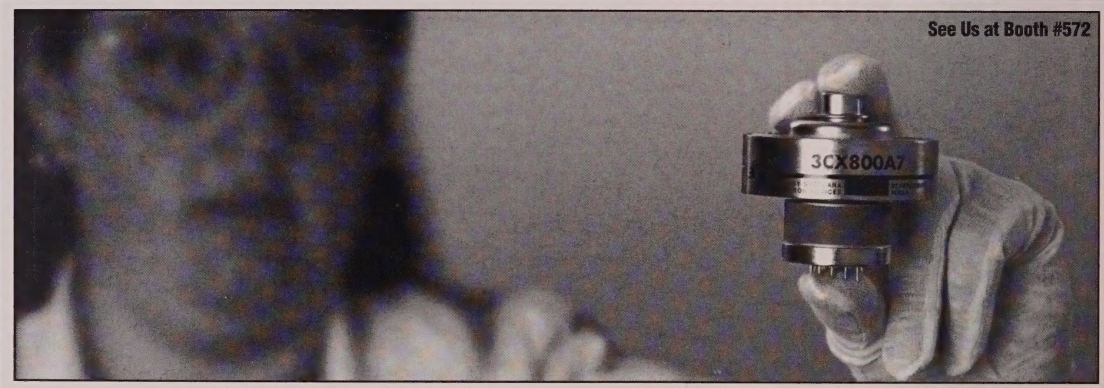

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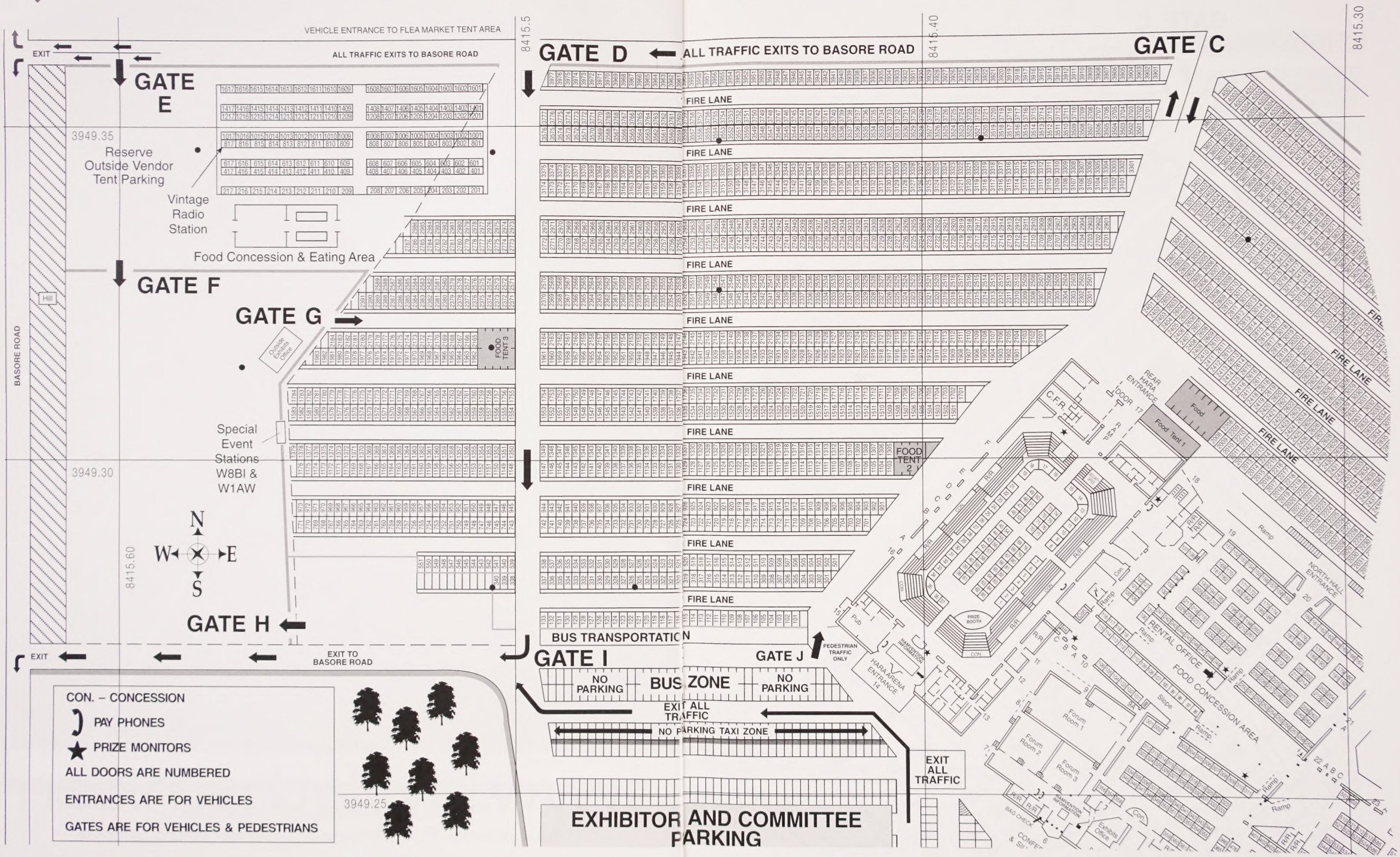
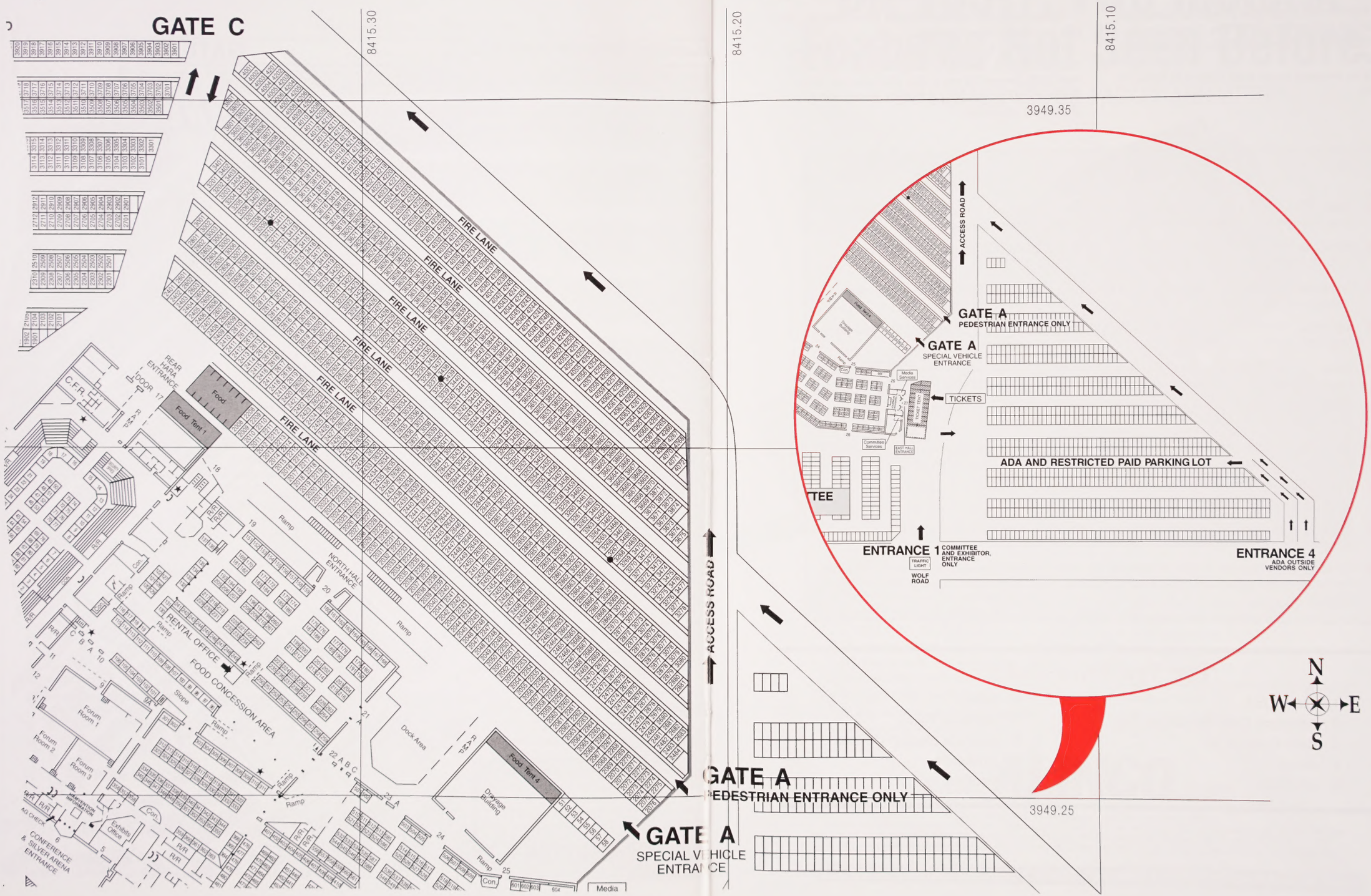
OUTSIDE EXHIBITOR'S AREA MAP




GATE C
8415.30
8415.20
8415.10
3949.35
3949.25
FIRE LANE
ACCESS ROAD
GATE A
PEDESTRIAN ENTRANCE ONLY
GATE A
SPECIAL VEHICLE ENTRANCE
TICKETS
ADA AND RESTRICTED PAID PARKING LOT
ENTRANCE 1
COMMITTEE AND EXHIBITOR, ENTRANCE ONLY
WOLF ROAD
ENTRANCE 4
ADA OUTSIDE VENDORS ONLY
REAR HARA ENTRANCE
DOOR 17
C.F.R.H.
Food
Food Tent 1
NORTH HALL ENTRANCE
RENTAL OFFICE
FOOD CONCESSION AREA
Ramp
Slope
Dock Area
Food Tent 4
Drayage Building
Forum Room 1
Forum Room 2
Forum Room 3
Exhibits Office
CONFERENCE & SILVER ARENA ENTRANCE
Media
Media Services
Committee Services
EAST HALL ENTRANCE
TRAFFIC LIGHT
N
W
E
S

The Dayton Hamvention is proud to present an outstanding array of prizes for Hamvention 2000. Our donors include both show exhibitors and companies associated with Amateur Radio.

Prizes will be awarded hourly from 11:00 A.M. Friday till noon Sunday.

Please check the monitors located throughout the complex for winning ticket numbers.

The drawing for the Main Prizes will begin at approximately 1:00 P.M. Sunday in the Main Arena. You do not have to be present to win at this prize drawing. Main Prizes listed below, if not claimed by winner, will be shipped at no charge.

Main Prizes

- **Yaesu** FT-1000MP Deluxe HF Transceiver with enhanced DSP, 100 watt power output, CW electronic keyer, built-in Collins SSB mechanical filter, plus many other features.
- **ICOM** IC-756PRO HF + 6 meter, transceiver, 100 watt power output, 32-bit DSP, tuner, keyer, VOX, TFT LCD display, plus many other features
- **Kenwood** TS-870S HF transceiver, 100 watt power output, DSP, tuner, keyer, plus many other features and options.
- **Kenwood** TS-570S HF + 6 meter transceiver, 100 watt power output, DSP, tuner, keyer, plus many other features and options.
- **Yaesu** FT-100 Mobile HF + 6, 2 & 440 Transceiver, 100 watt output 160 thru 6M, 50 watts output 2M, 20 watt output 440Mhz, DSP, Notch, Noise Reduction, Keyer, VOX plus many other features.
- **ICOM** IC-706 MKIIG Mobile HF, 6M, 2M, 70cm Transceiver, 100 watt output HF/6M, DSP, Keyer, VOX plus many other features.
- **Yaesu** G-2800SDX Antenna Rotor Top of the line for extra heavy duty applications, rotation range 450 degrees, presets, 34 sq ft wind load, K-factor 6870 ft lbs, Max. vertical weight 661 lbs.
- **Kenwood** TM-D700A Mobile 2/440 Transceiver 50watts-2M, 35watts-440, built-in TNC and APRS, detachable face and many other features.
- **Yaesu** G-5500 Azimuth-Elevator rotator combination for satellite earth station and other space communications, 11 sq ft wind load, K-factor 578 ft. lbs, Max. vertical load: 440 lbs.
- **ICOM** IC-2800H Mobile 144/440 Transceiver, 50 watts: 2 meters, 35 watts: 440, tone, CTCSS, 232 memories, PC programmable, 9600 baud compatible, cross-band repeat, Duplexer and many more features.

Top Ten Prize Donors

1. Yaesu USA
2. Kenwood Communications Corp.
3. Icom America, Inc.
4. Alinco
5. US Tower
6. ARRL
7. Universal Radio
8. Svetlana Electron Devices
9. Cushcraft
10. Bencher

DR-135TP. Two Meters. Features Not Seen Before.

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- Choose black (DR-135TP) or pewter (DR-135TPG) front panel color
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- 50 watts, H/M/L power settings
- 100 memory channels
- TNC board operates 1200 and 9600 bps
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- Clean, clear Alinco audio
- Super-wide 7 character alphanumeric display
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- Ten autodial memories
- Low Alinco price

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Product intended for properly licensed operators. Permits required for MARS/CAP use. Specifications subject to change without notice or obligation. Performance specifications only apply to amateur bands. APRS is a registered trademark of Bob Bruninga, WB4APR.

This radio has not yet been type accepted by the FCC. It may not be offered for sale or lease until the approval of the FCC has been obtained.

SEE US IN BOOTHS 628-629, 635-636. WE ARE A HAMVENTION PRIZE DONOR.

AEA/Div. of Tempo Cia ..... Cablemate

Alfa Electronics, Inc. ..... DMM-91 Digital Multimeter

Alinco ..... DJ-S11T Mini-Power VHF HT
Alinco ..... DJ-S41T Mini-Power UHF HT
Alinco ..... DR-140T Mono VHF Mobile TRX
Alinco ..... DJ-V5TDC See-Thru Case Duo HT
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Amateur Radio Trader ..... Tool Kits

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Bearcat Radio Club ..... Mr. Scanner CD
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Bencher, Inc. ..... HF6V 6-Band Vertical Antenna

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Burk Electronics ..... Mag Mount Antenna

Compustuff ..... Black Inkjet Refill Kit
Compustuff ..... Color Inkjet Refill Kit
Compustuff ..... Black & Color Injet Refill Kit

Computer International ..... Radiocom 4.X Bonito Software
Computer International ..... Visualradio 4.5

Cushcraft Corp ..... MA5B Antenna
Cushcraft Corp ..... VHF Long Band Yagi Antenna

Embedded Research ..... Tick Deluxe Keyer Kit & Enclosure

Embroidery Unlimited ..... T-Shirt w/Hamvention Logo
Embroidery Unlimited ..... Hat w/Hamvention Logo

FNC Corp. ..... Elcad Software

Hal Communications ..... DXP38 HF Modem

Ham Radio Outlet ..... QRZ CD ROM

Heil Sound ..... Gold Line 5 Microphone
Heil Sound ..... CC-1 Cable of Choice Coupon

Hustler Antennas ..... G3-144 Antenna
Hustler Antennas ..... G6-270R Antenna

ICOM America IC-Q7A 05
ICOM America ..... IC-756 Pro HF
ICOM America ..... IC-706 MK2 G
ICOM America IC-W32
ICOM America IC-718
ICOM America IC-T81A
ICOM America IC-T2H
ICOM America IC-T7H
ICOM America IC-2100H
ICOM America IC-2800H
ICOM America IC-207H

K1EA Software ..... CT Version 9 Contest Software

Kantronics ..... Transmitter Kit

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Kenwood Amateur Radio ..... TS-870S HF Rig
Kenwood Amateur Radio ..... TS-570S HF + 6 Meters
Kenwood Amateur Radio ..... TM-D700A 144/440 APRS Data Mobile
Kenwood Amateur Radio ..... TM-261A 144 Mobile
Kenwood Amateur Radio ..... TH-D7A 144/440 APRS Data HT

M2 Antenna Systems Inc. ..... 6M3 6-Meter 3 Element Yagi Antenna
M2 Antenna Systems Inc. ..... 2M955B 2-Meter 9 Element Yagi Antenna
M2 Antenna Systems Inc. ..... 222-10EZ 220 MHz 10 Element Yagi Antenna
M2 Antenna Systems Inc. ..... 440-18 70CM 18 Element Yagi Antenna

Maha Communications ..... MH-C888 Charger W/MHS-C800U
Maha Communications ..... MH-C777 Charger W/MHS-CW4
Maha Communications ..... MH-C204F Charger W/4XMH-AAT

MCM Electronics ..... 5.6" LCD Color Television
MCM Electronics ..... Black/White CCD Camera

MFJ Enterprises, Inc. ..... MFJ-1728B 5/8 wave 2 & 6 Meter Mag Mount

Midwest VHF/UHF Society ..... One Year Memberships

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NCG/Daiwa ..... CN-101 1.8-150MHz SWR Meter
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Nuts & Volts Magazine .....One Year Subscriptions

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Palstar Inc. ..... WM300UV Wattmeter
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Plum DX Supplies ..... QSL How To Book
Plum DX Supplies ..... QSL Wall Hanger Packs
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Radio Amateur Callbook ..... Radio Amateur Callbook CD

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RTTY by WF1B ..... RTTY Software

SGC, Inc. ..... SG-237 Coupler

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Signman Of Baton Rouge ..... Key Chains

Solder-It Co. ..... Solder-It Kit
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Startek International, Inc. ..... Model #50-1015 Video Sender
Startek International, Inc. ..... Model #50-1010 Video Sender

Svetlana ..... 572B (Pair) Power Tubes
Svetlana ..... Log Books

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Uncommon USA ..... 4'x6' USA Nylon Flag

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Universal Radio Inc. .....Aeronautical Communications Handbook
Universal Radio Inc. ..... Shortwave Listeners Handbook
Universal Radio Inc. ..... Inside The Mission Control Center
Universal Radio Inc. ..... Joe Carr's Loop Antenna Handbook
Universal Radio Inc. ..... Joe Carr's Receiver Antenna Handbook
Universal Radio Inc. ..... RTTY Listener 1-25 16th Edition
Universal Radio Inc. ..... Universal Canvas Bag

US Tower ..... TX455 Crank Up Tower

Vibroplex Co. ..... Code Warrior Jr. Key

VIS Amateur Supply ..... VIS Technician Element-2 Study Cards
VIS Amateur Supply ..... VIS General Element-3 Study Cards
VIS Amateur Supply ..... VIS Extra Element-4 Study Cards

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Western Case ..... Radio Shoulder Pack
Western Case ..... Radio Case
Western Case ..... Palm Pilot Case

West Mountain Radio ..... Rigblaster Interface

The Wireman, Inc. ..... 100 Ft. Roll 8X Mini Coax

Yaesu USA ..... FT-1000MP HF Rig
Yaesu USA MD-100A8X
Yaesu USA G-450A
Yaesu USA G-2800SDX
Yaesu USA G-5500
Yaesu USA ..... FT-100 Mobile HF, 6, 2 & 440 Rig
Yaesu USA FT-2600M
Yaesu USA VX-1R

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Jim Graver, KB8PSO
Assistant General Chairman
Bill Ervin, KA8WCF

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Carl Eger, N8TCX
Webmaster ..... Dan Katz-Stein N8XUW

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1952-1955 — John J. Willig, W8ACE
1956-1957 — Rudy Plak, W8ZOF (W6TIK)
1958 — Frank J. Schwab, W8YCP (W8OK)
1959-1960 — Ed F. Bonnet, W8OVG
1961-1962 — Joseph H. McNutt, W8GFN
1963-1964 — Sheemon A. Wolfe, W8WJL
1965-1966 — Edgar A. Smith, W8RKL
1967 — Robert Wilcox, K8EJI
1968-1969 — Jack Ohmart, K8CUA
1970-1971 — Kenneth E. Mills, W8RLY
1972 — George L. Shearer, WA8IHC (KE8WJ)
1973-1976 — Ted L. Suarez, K8BSC
1977 — Wallace M. Wright, WA8ZCA (AD8N)
1978 — John Basilotto, W5GI (KC2EH)
1979 — Sandford H. Cohen, W8JEZ (N8HWQ)
1980-1981 — Noel K. McKeown, WB8QQC
1982-1983 — Harold A. Judd, W8CMJ
1984-1985 — Jack Mitchell, AA8Q
1986-1987 — Jim Simpson, WB8QZZ
1988-1989 — Bill McNabb, WD8SAY
1990 — Ed Hillman, N8ALN
1991-1992 — Ross Brown, WA8DQH
1993-1994 — Dave Grubb, KC8CF
1995-1996 — Ken Allen, KB8KE
1997–1999 — Dick Miller, N8CBU

Since 1984, the Dayton Amateur Radio Association has been able to assist young amateurs heading to college by awarding scholarships. In 1999, $16,000 was distributed among ten students toward tuition at the school of their choice. The program is open nationwide to any FCC licensed amateur radio operator graduating from high school in the year the award is given. There are no restrictions on class of license or course of study. Scholarship applications for 2000 are available at the DARA Booth (Booth #1). The 1999 scholarship recipients are:

Michael Gossenauer NØUNY of Aurora, Colorado. Michael has been awarded the Frank Schwab Scholarship. Michael holds a Technician class license and attends Colorado State University majoring in chemical engineering.

George M. Hagedon KF8XZ of Englewood, Ohio is the recipient of the Charles G. Fry Memorial Scholarship. George holds an Extra class license and attends Kettering University majoring in mechanical and electrical engineering.

Beth A. Barlow KC8EIU of Sidney, Ohio. Beth has been awarded the L.T. Jones Memorial Scholarship. Beth holds a Technician class license and attends Ohio State University majoring in animal science/pre-med.

Michael S. Schoettinger KC8LQU of Eaton, Ohio. Michael is the recipient of the Robert F. Zimmerman Memorial Scholarship. Michael holds a Technician class license and attends Sinclair Community College and the University of Dayton majoring in electronics engineering technology.

Eian D. Counts KC8EVP, of Mount Vernon, Ohio. Eian is the recipient of the Dave Beam Memorial Scholarship. Eian holds a Technician Plus license and attends Mt. Vernon Nazarene College majoring in computer science.

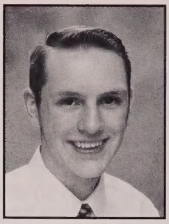
Melissa Schweikhart KB8EPO, of Springboro, Ohio is the recipient of the John Willig Scholarship. Melissa holds a Technician class license and attends Vanderbilt University majoring in biology and pre-medicine.

Sonya A. Balsky KB2MVU of Rutherford, New Jersey. Sonya holds a Technician Plus license and attends Carnegie Mellon University majoring in biology.

Nick E. Beltramelli KB9FFS of Glendale Heights, Illinois. Nick holds a Novice class license and attends Elmhurst College majoring in special/elementary education.

Mignon M. Sims KC5HJU of Apache, Oklahoma. Mignon holds a Technician class license and attends East Central University majoring in history.

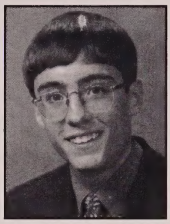
John L. Walker N4DMR of Cullman, Alabama. John holds a Technician Plus license and attends the University of Alabama majoring in chemical engineering.



Michael
NØUNY

George
KF8XZ

Beth
KC8EIU

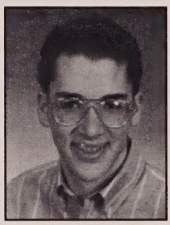


Michael
KC8LQU

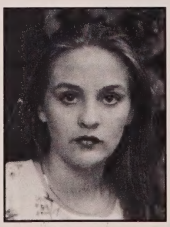
Eian
KC8EVP

Melissa
KB8EPO

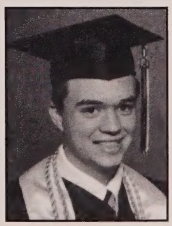
Sonya
KB2MVU



Nick
KB9FFS



Mignon
KC5HJU



John
N4DMR

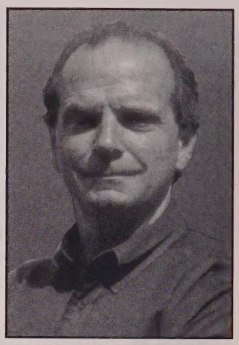
Entries for 2000 scholarships must be received by June 1, 2000 with winners announced on or about June 15, 2000. Information and application forms are available at the DARA Booth (Booth #1) or write to:

DARA Scholarship Program
45 Cinnamon Court
Springboro, OH 45066-1000

We are extremely pleased to have as our keynote speaker, Riley Hollingsworth, K4ZDH. His topic will be: We can have the world's finest amateur radio service.

"Our communications networks in America, whether telephone or computer, are the envy of the rest of the world. Our amateur radio should be too. There's no reason why our amateur radio service can't be the finest radio service in the world."

Riley Hollingsworth, K4ZDH holds an advanced class license and has been an amateur radio operator for more than 40 years. His interest has always been to enforce responsible behavior and he was part of "Nadar's Raiders" while in law school. In 1998 he joined the FCC Compliance and Information Bureau as the legal advisor for enforcement. In November 1999, Riley was appointed Special Council for Enforcement and has done an excellent job of enforcing compliance in the amateur radio service.

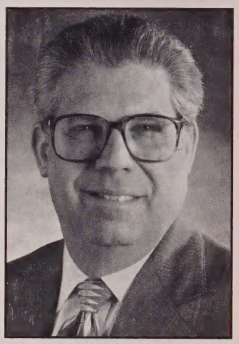


Riley Hollingsworth, K4ZDH

Master of Ceremonies for the 2000 Hamvention Banquet is Carl Nichols, N8WFQ.

Carl Nichols is the Chief Meteorologist for WDTN 2News in Dayton. As chief meteorologist, Carl manages the weather operations and is the weathercaster for 2News. Carl came to WDTN Channel 2 in 1977 from WYTV in Youngstown, Ohio where he was the station's chief meteorologist. Prior to that he worked for the Central Weather Service in Chicago. He has also worked as chief meteorologist at WLKY TV in Louisville.

Carl began his career as a meteorologist at WTVT TV in Tampa. He graduated from the University of South Florida with a bachelor of arts degree and is also a graduate of the U.S. Navy School of Meteorology. Carl is a member of the National Weather Association and the American Meteorological Society.



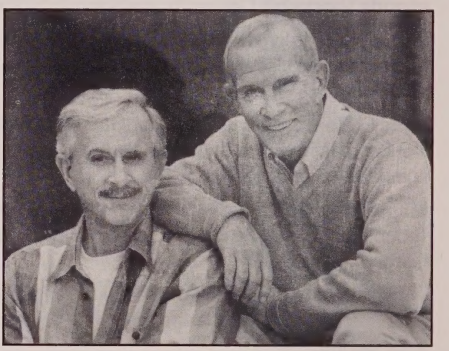
Carl Nichols, N8WFQ

For your entertainment at Hamvention 2000, we present Tom and Dick Smothers, The Smothers Brothers.

With their singular blend of comedic and musical talents, the irrepressible brothers have made a sweeping impact on diverse generations of fans. Such lasting power is a testimonial to their intuitive humor, natural warmth, superlative showmanship and the pure unadulterated joy they bring to audiences of all ages.

Now, as they mark over 40 years in show business, the Smothers Brothers are being saluted as time-honored legends whose lengthy career has surpassed all other comedy teams in history.

They have been considered ahead of their time, masters of timing and practitioners of timeless comedy.



Dick and Tom Smothers

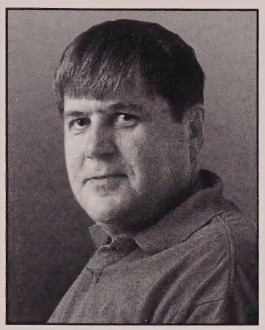
Directions to E.J. Nutter Center:

Take I-675 to the North Fairfield Rd. exit. Turn north to the Nutter Center. See map on page 27.

The Hamvention Banquet will be held at the E. J. Nutter Center on Saturday evening with doors opening at 5:45 p.m. Dinner will be served beginning at 6:10 p.m. For entertainment seating **ONLY** (general admission), doors open at approximately 8:15 p.m. Bus service to the banquet will be provided from the KOA campground only.

Banquet Menu

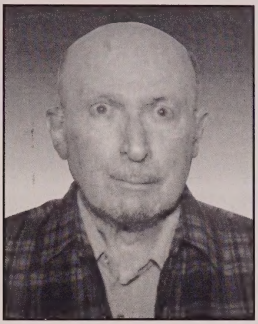
House salad w/choice of dressing
Medallions of Beef with Madiera Sauce
Stuffed Baked Potato • Green Beans Almondine
Rolls & butter
Assorted Fruit Pies
Coffee, tea, ice water & iced tea



Amateur of the Year Award

Martti Laine OH2BH

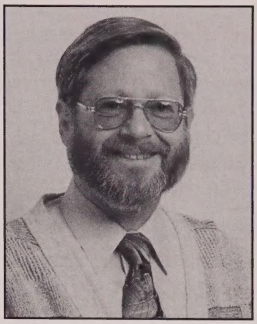
Amateur of the Year has been awarded to Martti Laine, OH2BH. Martti is well-known in the international amateur community as our #1 Ambassador of Goodwill. He has been responsible for promoting the activation of new DXCC countries, braving many inhumane and dangerous conditions during his travels to promote the hobby worldwide. Additionally, Martti is the only person to be inducted into the CQ DX Hall of Fame, as well as the CQ Contest Hall of Fame.



Special Achievement Award

A. Prose Walker W4BW

Special Achievement has been awarded to A. Prose Walker, W4BW, in acknowledgement of his concept of obtaining new amateur frequency bands. He first went public with this concept in a speech made to the Swiss Amateur Society in Geneva, Switzerland in 1974. Additionally, he was the guiding force behind the development of ACAR (Advisory Committee of Amateur Radio) and served as the first Chair after establishing the committee.



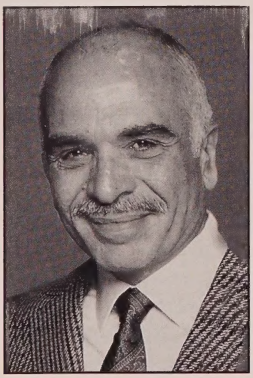
Technical Excellence Award

Dr. H. Paul Shuch N6TX

Technical Excellence has been awarded to Dr. H. Paul Shuch, N6TX. Paul is being honored for his pioneering work in the 1970's in VHF, UHF and microwave receiver design; and for his recent design of amateur radio astronomy equipment for the 21-cm hydrogen-line region. Paul was first licensed in 1961 and has been operational on all 20 ham bands between 1.8 MHz and 24 GHz. He has chaired the VHF/UHF Advisory Committee of the ARRL, and served as Technical Director and Board Chairman of Project OSCAR, Inc., predecessor to AMSAT.

The Silent Key Award

The purpose of this new, recurring award is to posthumously honor a Silent Key for his/her lifetime accomplishment(s) in the promotion of Amateur Radio.

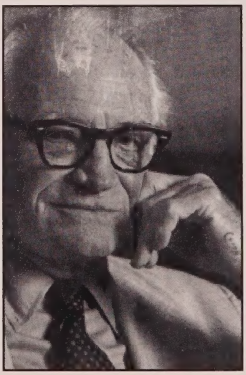


King Hussein JY1

1935 to 1999 — King Hussein, JY1 of Jordan is the recipient of the Silent Key Award for his work in promoting Amateur Radio throughout his country and the entire world. He was especially dedicated to establishing amateur radio classes in Jordanian elementary schools and is well known for his work on WARC-79.

Barry Goldwater K7UGA

1909 to 1998 — Sen. Barry Goldwater K7UGA, was probably best known for his three decades of Washington politics and his unsuccessful run for president in 1964. However, in addition to flying airplanes and mountain climbing he was also extremely active on the amateur bands where he assisted in making over 300,000 phone patches for soldiers during the Vietnam War.



Help us locate nominees for our Amateur of the Year, Special Achievement, and Technical Excellence Awards. Do you know an outstanding amateur in your club, community, or from on-the-air contacts? Does this person excel in some phase of amateur radio? Do you feel this person deserves world-wide recognition? All amateurs are eligible – Novice through Extra. Awards are selected by the awards committee based on the information received.

Documentation is beneficial. Magazine articles, newsletters, newspaper clippings, videos, etc. will better inform the awards committee of your candidate's accomplishments. These materials become the property of DARA and can not be returned.

AMATEUR OF THE YEAR

This is for the special person who has made a long term commitment to the advancement of amateur radio. We are looking for a well-rounded individual who has contributed to our hobby in some outstanding way.

SPECIAL ACHIEVEMENT

This is for the special person who has made an outstanding contribution to the advancement of amateur radio. This award is usually given to a respected amateur who spearheaded a single significant project.

TECHNICAL EXCELLENCE

This is for the person who has made an outstanding technical advancement in the field of amateur radio.

Name of nominee _____ Call _____

Address _____

City _____ State _____ Zip _____

Phone ( ) _____ Amateur club affiliation _____

How has this individual contributed to Amateur Radio ?

_____

_____

_____

_____

What else do you know about this individual ?

_____

_____

_____

_____

Your name (please print) _____ Call _____

Address _____

City _____ State _____ Zip _____

Phone: ☐ Day ☐ Evening ( ) _____ Your Signature _____

Send nomination to: ***Hamvention Awards Chairman***
Box 964
Dayton, OH 45401-0964

Please feel free to duplicate this form.

AMATEUR OF THE YEAR

1955 - William C. Jenney, W8FYW; Westlake, OH
Benjamin S. Zieg, W9EHU, K4OQK; Atlanta,GA
1956 - Edmund C. Ryan, W8LRR; Mansfield, OH
1957 - Ralph Crammer, W8VHO; Columbus, OH
1958 - Rev. C. Lynn White, K4CC; Tavarres, FL
1959 - Harlow Lucas, W8QQ; Columbus, OH
1960 - Paul Wolfe, W8IVE; Cincinnati, OH
1961 - Ed Bonnet, W8OVG; Dayton, OH
1962 - Dana Cartwright, W8UPB; Cincinnati, OH
1963 - Chester Funk, K8EUF, K7ZKL; Phoenix, AZ
1964 - H. Ruble, W8PTF; Dayton, OH
1965 - Carl B. Snyder, W8ARW; Greenville, OH
1966 - Robert K. Caskey, W9DNQ; Indianapolis, IN
1967 - Jack Gray, W8JDV; Mason, OH
1968 - Elmer Schubert, W8ALW; Cincinnati, OH
1969 - Wayne Walters, W9DOG; Plainfield, IN
1970 - Kay Anderson, W8DUV; Huntington, WV
1971 - Al Michel, W8WC; Cincinnati, OH
1972 - Don C. Miller, W9NTP; Waldron, IN
1973 - Ray E. Myers, W6MLZ; San Gabriel, CA
1974 - Barry Goldwater, K7UGA; Scottsdale, AZ
1975 - Richard A. Daniels, WA4DGU; Arlington, VA
1976 - Joseph M. Hertzberg, N3EA; Bryn Mawr, PA
1977 - Rafael M. Estevez, WA4ZZG; Hialeah, FL
1978 - Frank Schwab, W8OK; Dayton, OH
1979 - George G. Batterson, W2GB; Rochester, NY
1980 - Wayne Overbeck, N6NB; Woodland Hills, CA
1981 - Eric C Shalkhauser, W9CI; Washington, IL
1982 - Robert G. Heil, Jr., K9EID; Marissa, IL
1983 - Katashi Nose, KH6IJ; Honolulu, HI
1984 - Dave L. Bell, W6AQ; Los Angeles, CA
1985 - John J. Willig, W8ACE; Sarasota, FL
1986 - Roy Neal, K6DUE; Woodlawn Hill, CA
1987 - Carole Perry, WB2MGP; Staten Island, NY
1988 - Bill Bennett, W7PHO; Seattle, WA
1989 - Bill Pasternak, WA6ITF; Saugus, CA
1990 - Stephen Mendelsohn; WA2DHF; Dumont, NJ
1991- John B. Johnston, W3BE; Derwood, MD
1992 - Richard Baldwin, W1RU; Waldoboro, ME
1993 - Harry Dannals, W2HD; Charlottesville, VA
1994 - Perry Williams, W1UED; Unionville, CT
1995 - Rosalie White, WA1STO; Newington, CT
1996 - William A. Tynan, Kerryville, TX
1997 - Leo I. Myerson, WØGFQ, Omaha, NE
1998 - Andrew J. Feldman, WB2FXN, Coram, NY
1999 - Kenneth M. Miller, K6IR, Rockville, MD

SPECIAL ACHIEVEMENT AWARD

1977 - South American Moonbounce (EME) Expedition Team of the Mt. Airy VHF Radio Club Inc., Philadelphia, PA
Elliott Weisman, K3JJZ
Anthony Sousa, W3HMU
S. William Olsan, W3HQT
Walter Bohlman, K3BPP
Daniel Mitten, WA3NFU
Socrates Martinez, WB3AFY
Bolmar Aguilar, WB3AOP
1978 - Ronald Moorefield, W8ILC
1979 - Edward Tilton, W1HDQ
1980 - Joseph Merdler N6AHU
1981 - Bill Pasternak, WA6ITF
Bill Orenstein, KH6IAF
1982 - Bruce Humphrys, KØHR
1983 - Lenore Jensen, W6NAZ
1984 - Ethel Smith, K4LMB
1985 - Judith Frye, KG8P
1986 - Rev. Michael Mullen, C.M., WB2GQW
1987 - Arthur Gentry, W6MEP
1988 - Fred Hammond, VE3HC
1989 - Phil Karn, KA9Q
1990 - Paul Thomson, KCØVG
1991 - Nate Brightman, K6OSC
1992 - Ned Raub, W1RAN
1993 - Robert Adams, WA9ZMO
1994 - Russ Kroeker, N7HGE
1995 - Ed Briner, WA3TVG
1996 - John Kraus, W8JK
1997 - Joseph J. Fairclough, WB8JKJ
1998 - John B. Bellows, Jr., KØQB
1999 - Paul D. Lieb, KH6HME

TECHNICAL EXCELLENCE AWARD

1984 - Lyle Johnson, WA7GXD
1985 - Richard Whiting, WØTN
1986 - M. F. (Doug) DeMaw, W1FB
1987 - Henry (Hank) Oredson, WØRLI
1988 - Lew McCoy, W1ICP
1989 - Byron Goodman, W1DX
1990 - Bob McGwier, N4HY
1991 - Lou McFadin, W5DID
1992 - Gerald Cromer, K4NHN
1993 - Dick Jansson, WD4FAB
1994 - Dick Newell, AK1A
1995 - Philip Ferrell, K7PF
1996 - William Orr, W6SAI
1997 - Al Ward, W85LUA
1998 - Robert E. Bruninga, WB4APR
1999 - Alfonso R. Torres, KP4AQI

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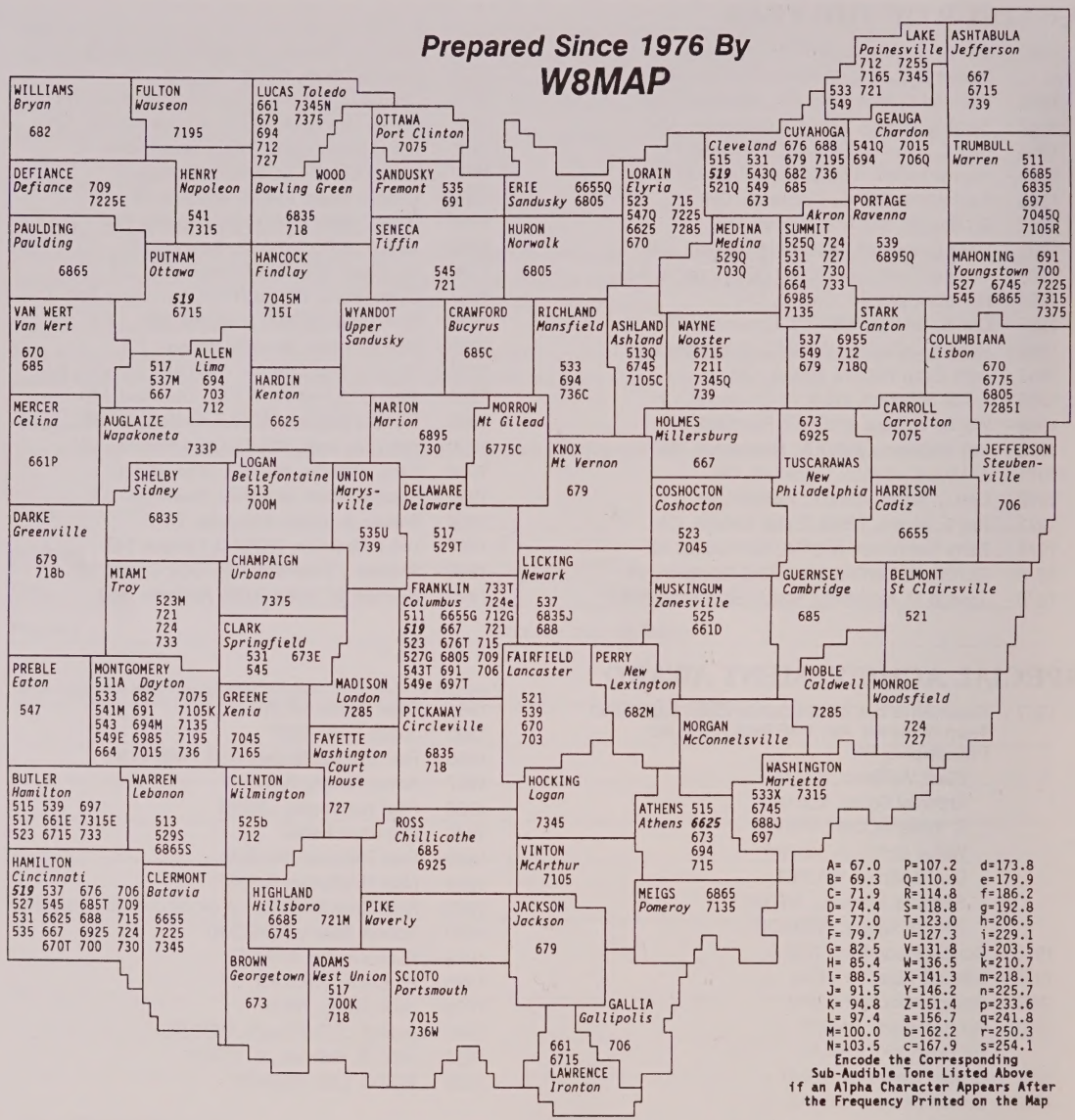
Prepared Since 1976 By
W8MAP
WILLIAMS Bryan 682
FULTON Wauseon 7195
LUCAS Toledo 661 7345N 679 7375 694 712 727
OTTAWA Port Clinton 7075
LAKE Painesville 712 7255 7165 7345 533 721 549
ASHTABULA Jefferson 667 6715 739
GEAUGA Chardon 541Q 7015 694 706Q
CUYAHOGA Cleveland 676 688 515 531 679 7195 519 543Q 682 736 521Q 549 685 673
TRUMBULL Warren 511 6685 6835 697 7045Q 7105R
DEFIANCE Defiance 709 7225E
HENRY Napoleon 541 7315
WOOD Bowling Green 6835 718
SANDUSKY Fremont 535 691
ERIE 6655Q Sandusky 6805
LORAIN Elyria 523 715 547Q 7225 6625 7285 670
PORTAGE Ravenna 539 6895Q
Akron
SUMMIT 525Q 724 531 727 661 730 664 733 6985 7135
MEDINA Medina 529Q 703Q
MAHONING 691 Youngstown 700 527 6745 7225 545 6865 7315 7375
PAULDING Paulding 6865
PUTNAM Ottawa 519 6715
HANCOCK Findlay 7045M 715I
SENECA Tiffin 545 721
HURON Norwalk 6805
VAN WERT Van Wert 670 685
ALLEN Lima 517 537M 667 694 703 712
WYANDOT Upper Sandusky
CRAWFORD Bucyrus 685C
RICHLAND Mansfield 533 694 736C
ASHLAND Ashland 513Q 6745 7105C
WAYNE Wooster 6715 721I 7345Q 739
STARK Canton 537 6955 549 712 679 718Q
COLUMBIANA Lisbon 670 6775 6805 7285I
HARDIN Kenton 6625
MERCER Celina 661P
AUGLAIZE Wapakoneta 733P
MARION Marion 6895 730
MORROW Mt Gilead 6775C
KNOX Mt Vernon 679
HOLMES Millersburg 667
CARROLL Carrollton 7075
673 6925
TUSCARAWAS New Philadelphia
JEFFERSON Steubenville 706
SHELBY Sidney 6835
LOGAN Bellefontaine 513 700M
UNION Marysville 535U 739
DELAWARE Delaware 517 529T
COSHOCTON Coshocton 523 7045
HARRISON Cadiz 6655
DARKE Greenville 679 718b
CHAMPAIGN Urbana 7375
LICKING Newark
MIAMI Troy 523M 721 724 733
FRANKLIN 733T Columbus 724e 511 6655G 712G 519 667 721 523 676T 715 527G 6805 709 543T 691 706 549e 697T
MUSKINGUM Zanesville 525 661D
GUERNSEY Cambridge 685
BELMONT St Clairsville 521
CLARK Springfield 531 673E 545
PREBLE Eaton 547
MONTGOMERY 511A Dayton 533 682 7075 541M 691 7105K 543 694M 7135 549E 6985 7195 664 7015 736
MADISON London 7285
FAIRFIELD Lancaster 521 539 670 703
PERRY New Lexington 682M
NOBLE Caldwell 7285
MONROE Woodsfield 724 727
GREENE Xenia 7045 7165
PICKAWAY Circleville 6835 718
FAYETTE Washington Court House 727
MORGAN McConnelsville
WASHINGTON Marietta 533X 7315 6745 688J 697
BUTLER Hamilton 515 539 697 517 661E 7315E 523 6715 733
WARREN Lebanon 513 529S 6865S
CLINTON Wilmington 525b 712
HOCKING Logan 7345
ATHENS 515 Athens 6625 673 694 715
ROSS Chillicothe 685 6925
VINTON McArthur 7105
HAMILTON Cincinnati 519 537 676 706 527 545 685T 709 531 6625 688 715 535 667 6925 724 670T 700 730
CLERMONT Batavia 6655 7225 7345
HIGHLAND Hillsboro 6685 721M 6745
PIKE Waverly
JACKSON Jackson 679
MEIGS 6865 Pomeroy 7135
BROWN Georgetown 673
ADAMS West Union 517 700K 718
SCIOTO Portsmouth 7015 736W
GALLIA Gallipolis 661 706 6715 LAWRENCE Ironton
A= 67.0 P=107.2 d=173.8
B= 69.3 Q=110.9 e=179.9
C= 71.9 R=114.8 f=186.2
D= 74.4 S=118.8 g=192.8
E= 77.0 T=123.0 h=206.5
F= 79.7 U=127.3 i=229.1
G= 82.5 V=131.8 j=203.5
H= 85.4 W=136.5 k=210.7
I= 88.5 X=141.3 m=218.1
J= 91.5 Y=146.2 n=225.7
K= 94.8 Z=151.4 p=233.6
L= 97.4 a=156.7 q=241.8
M=100.0 b=162.2 r=250.3
N=103.5 c=167.9 s=254.1
Encode the Corresponding Sub-Audible Tone Listed Above if an Alpha Character Appears After the Frequency Printed on the Map

Additions or corrections to **W8MAP@arrl.net**

Please Duplicate Without Alteration For FREE Distribution

Your RX frequency is shown. All RX frequencies below 147 MHz use a 600 KHz minus offset for TX. All RX frequencies at or above 147 MHz use a 600 KHz plus offset for TX. EXAMPLE: 676T in Franklin County indicates 146.760 MHz RX and 146.16 MHz TX with a sub-audible tone of 123.0 Hz.

Wide area FARA linked repeaters are in ***bold italics*** in these counties: Hamilton, Putnam, Cuyahoga, Franklin, Athens.

Map is available for viewing and printing in pdf format at **http://www.qsl.net/kb8ssh/map.html** Revised 4/1/00

Forums are held at Hara *and* Meadowdale High School. (See chart on page 53.) Shuttle bus service from Hara is provided to Forums held at Meadowdale. Forums schedule is subject to change.

FRIDAY, MAY 19

10:00 - 12:45 TAPR/Digital Packet **(SESSION # FH1)** ..... Room 1

Moderator: John Ackermann N8UR

Speakers: Greg Jones WD5IVD — "TAPR Organizational Update"
Dewayne Hendricks WA8DZP — "Regulatory Issues"
Tom McDermott N5EG — "Spread Spectrum"
Steve Bible N7HPR — "TAPR Kit/Project Update"
Steve Dimse K4HG — "APRS Update"

10:00 - 11:30 QRP **(SESSION # FH2)** ..... Room 2

Moderator: Ken Evans W4DU

Speakers: George Dobbs G3RJV — "QRP Construction"
Jim Stafford W4QO — "Why QRP?"

10:00 - 12:00 Weather Satellite **(SESSION # FH3)** ..... Room 3

Moderator: Dave Cawley G4IUG of Remote Imaging Group

Speakers: Wayne G. Winston, Direct Readout Coordinator of NOAA/NESDIS — "Update to NOAA Satellite Programs 2000-2010"

Matt Gilbert — "Mobile/portable weather satellite picture acquisition"

Grant Zehr — "APT for Y2K" Zehr, who is a living legend, gives a talk about setting up JVFAX and a sound card for next to nothing.

Dave Cawley G4IUG — "CHRPT – Color High Resolution Images from the new Chinese satellite." This presentation will include a slide show.

Jim Kunowsky — "GOES for just over $200 and a surplus Primestar dish." Kunowsky presents a slide show and talk on how to get live satellite images every 4 minutes.

Also available: Copies of the International Remote Imaging Group color journal.

11:45 - 1:15 Kit Building **(SESSION # FH4)** ..... Room 2

Moderator: Joe Eisenberg KØNEB

Speakers: John Ramsey N2HWA, Martin F. Jue K5FLU, Tom Salvetti KC3NF and Eric Swart WA6HHQ — Learn about the fun of kit building and making QSOs on radios you make yourself. The forum will cover choosing the right kit and the right tools and will have something for everyone - beginners to experienced builders with a hands-on presentation.

12:15 - 2:00 Teacher's Workshop **(SESSION # FH5)** ..... Room 3

Moderator: Carole Perry WB2MGP

Speakers: Bob Heil K9EID, Bill Pasternak WA6ITF and Dave Bell W6AQ will address the forum.

1:00 - 2:00 ARRL – Space and Education **(SESSION # FH6)** ..... Room 1

Speakers: Rosalie White WA1STO, Frank Bauer KA3HDO and Dan Miller K3UFG

1:30 - 3:00 Amateur Radio and the Law **(SESSION # FH7)** ..... Room 2

Moderator: Jim O'Connell W9WU, ARRL Volunteer Counsel — "Getting It Up And Keeping It Up"

Speakers: Jim O'Connell W9WU, ARRL Volunteer Counsel
Chris Imlay W3KD, ARRL General Counsel
Fred Hopengarten K1VR, ARRL Volunteer Counsel
Tim Ellam VE6SH, Vice President of Regulatory Affairs, RAC

This will be a forum discussion by amateur radio attorneys on legal issues of interest to hams. Learn how to avoid restrictive covenants, present your case for a tower permit and hear about the latest court rulings on RFI and towers.

2:15 - 5:00 Antenna Technology **(SESSION # FH8)** ..... Room 1

Moderator: Tim Duffy K3LR

Speakers: John Devoldere ON4UN — "Getting the Most Out of Your Vertical Antenna – HF Ground Radial Techniques"
Dr. Steven Best VE9SRB — "Understanding Wave Reflections and Impedance Matching in Transmission Lines"
Pierre Goral — "HF Antenna Couplers – Applications and Technology"
Tom Rauch W8JI — "A Real World Look into Antennas and What Really Works"
Steve Morris K7LXC and Ward Silver NØAX — "How Well Does Your Vertical Work?"

2:15 - 3:00 Tropospheric Ducting with GPS **(SESSION # FH9)** ..... Room 3

Speaker: Gordon West WB6NOA will demonstrate Tropo Ducting by showing how VHF and UHF radio waves are influenced by local weather conditions. Listen to record-breaking tropo contacts, and see a laser demonstration on how this phenomonon takes place.

3:15 - 4:00 YLRL **(SESSION # FH10)** ..... Room 2

Moderator: Kay Eyman WAØWOF

Speaker: Carol Hall WD8DQG, YLRL President

3:15 - 5:00 Amplitude Modulation **(SESSION # FH11)** ..... Room 3

Moderator: Dale Gagnon KW1I will head a discussion of the AM International Update and Operating News. This forum is for new and old hams alike who enjoy listening to and operating AM on amateur radio bands. Many of the AM operators highlighted have converted old broadcast band transmitters. AM rigs are simple enough for homebrew projects.

Speaker: Andy Howard WA4KCY — "AM in the Southeastern U.S. – a Pictorial Review"

4:15 - 5:00 10/10 International **(SESSION # FH12)** ..... Room 2

Moderator: Gerry Gross WA6POZ, #21274 10-10 Data Manager

Speakers: Tom Henderson K4CIH, # 33233 10-10 President
Keith Schlottman KR7RK, #63324 10-10 Treasurer

Speakers will discuss current events including the upcoming election of board members, the board of directors meeting slated for June, 2000 and the bi-annual 10-10 Convention to be held in 2001. There will be a review of the current status of the 10-10 Y2K Contact Program.

SATURDAY, MAY 20

8:30 - 9:45 American Red Cross Disaster Communication **(SESSION # SA1H)** ..... Room 1

Speaker: Steve Hailey, American Red Cross representative, will discuss the importance of amateur radio to disaster and emergency communications.

8:30 - 9:30 Preserving an American Classic – Collins Amateur Radio Equipment **(SESSION # SA2H)** ..... Room 2

Moderator: David Knepper W3ST, Secretary of Collins Radio Association

Speakers: Rod Blocksome KØDAS, Joel Thurtell K8PSV and Marvin Born K8XU

Special topics to be presented include research findings into the production of the KWM-2, discussion of a "homebuilt" 75A-4 receiver and development of a prototype KWM-1.

8:30 - 10:00 Mid-Cars **(SESSION # SA3H)** ..... Room 3

Topic: The Importance of the Mobile Amateur Radio Service

Speakers: Riley Hollingsworth K4ZDH, William T. Cross W3TN, Carl Morgan K8CM and Joe Phillips K8QOE

8:30 - 12:30 DXing **(SESSION # MSA1)** ..... MHS Auditorium

Shuttle bus service from Hara is provided.

Speakers: Jim Moore WU3V — AR Cluster Update
Martin Atherton G3ZAY — IOTA Update
Mike Goode N9NS — Clipperton 2000
Mats Persson SM7PKK — A Pacific Expedition
Charles Harpole K4VUD — Nepal
Martti Laine OH2BH — The Chesterfield Islands DXpedition with the TXØDX Team
Glenn Johnson WØGJ and Don Greenbaum N1DG — Bhutan 2000

8:30 - 10:30 VHF/UHF Microwave **(SESSION # MSA2)** ..... MHS #1

Shuttle bus service from Hara is provided.

Speakers: Gerd Schrick WB8IFM — ABC's of Noise
Bruce Lundy KA8EDE — Microwave Beacons
Tom Whitted WA8WZG — Maximizing the Microwave Station
Kent Britain WA5VJB — Mechanics & Construction of Microwave EME Antenna Systems

9:45 - 10:45 Drake and the Antique Tube Forum **(SESSION # SA4H)** ..... Room 2

Speakers: Sindre Torp LA6OP, world's largest collector of Drake equipment
Riley Hollingsworth K4ZDH, of the FCC will give an update on enforcement
Steve Morgan K8FFO, Drake factory representative

Raffle: Drake L4-B amplifier

10:00 - 10:45 ARRL – Public Service Wants You! **(SESSION # SA5H)** ..... Room 1

Speakers: Rosalie White WA1STO and Kay Craigie WT3P

10:15 - 11:45 Fox Hunting Projects – Simple to Hi-Tech **(SESSION # SA6H)** ..... Room 3

Moderators: Bob Frey WA6EZV, Dick Arnett WB4SUV and Jim Elmore KC8FQY

Speakers: Jacques Brodeur VE2EMM, known for Montreal Doppler and fox controllers
Brian DeYoung KE4HOR — "New PIC-to-PC Polar plot interface"
Byon Garrabrant N6BG — "PicCon fox controllers and APRS Tiny Track Fox Hunt"

A Transmitter Hunt will begin at 2:00 p.m. Details of the hunt will be available at the Fox Hunters forum listed above. Hunt ends at approximately 4:00 p.m.

10:30 - 12:00 MARS **(SESSION # MSA3)** ..... MHS #2
Shuttle bus service from Hara is provided.
Moderator: Lt JG William Troutman, Deputy Chief of U.S. Navy-Marine Corps MARS
Speakers: Robert A. Sutton N7UZY, Chief of U.S. Army MARS
Ray Collins AGA3C, Chief of U.S. Air Force MARS

10:45 - 12:45 SSTV **(SESSION # MSA4)** ..... MHS #1
Shuttle bus service from Hara is provided.
Speakers: Jim Barber N7CXI — Slow Scan Television (SSTV) Today and Tomorrow
Bill Montgomery VE3EC — SSTV Programs from Silicon Pixels
Miles Mann WF1F — SSTV in Space

11:00 - 11:45 ARRL – Special Communications Technical Forum **(SESSION # SA8H)** ..... Room 1
Speaker: Joel Harrison W5ZN

11:00 - 12:00 Heath Kit **(SESSION # SA7H)** ..... Room 2
Presentations: "Restoration of Heathkits" and "Operating Heathkit Radios"

12:00 - 12:45 ARRL – Public Relations Forum **(SESSION # SA9H)** ..... Room 1
Speaker: Dave Bell W6AQ

12:00 - 1:45 Youth in Amateur Radio **(SESSION # SA10H)** ..... Room 3
Moderator: Carole Perry WB2MGP
Speakers: Amory Schlender KCØBPR, age 14 of Boulder, Colorado
Jimmy Lynch KCØVXC, age 14 of Boulder, Colorado
Zane Wruble W2YL, age 10 of New York, New York
Brian Mileshosky N5ZGT, age 20 of Albuquerque, New Mexico
Patrick Clark KC8BFD, age 16 from Charleston, West Virginia
Nick Lance KC5SWM, age 11 from Houston, Texas

12:15 - 2:30 AMSAT **(SESSION # SA11H)** ..... Room 2
Moderator: Robin Haighton VE3FRH, Executive Vice President of AMSAT North America
Speakers: Keith Baker KB1SF, President of AMSAT North America — "Welcome"
Barry Baines WD4ASW, Vice President of Field Operations, AMSAT North America — "Getting Started on the Amateur Radio Satellites"
Keith Baker KB1SF, President of AMSAT North America and P3-D International Satellite Project Team members — "Phase 3-D, Spacecraft and Launch Status"
Frank Bauer KA3HDO, Vice President of Human Spaceflight Programs, AMSAT North America and ARISS Team members — "SAREX, ARISS and the International Space Station: Mission Reports and Plans"

1:00- 1:45 ARRL – 20/20 Vision for Amateur Radio's Future **(SESSION # SA12H)** ..... Room 1
Speaker: Dave Sumner K1ZZ

1:00 - 4:00 Contesting **(SESSION # MSA5)** ..... MHS Auditorium
Shuttle bus service from Hara is provided.

Speakers: Paul Young K1XM / H44MX and Charlotte Richardson KQ1F — "Life-Cycle of a Contest DXpedition"

John Crovelli W2GD and Ward Silver NØAX — "Please Repeat Everything" (QRP Contesting)

Pat Barkey N9RV — "Operating Mechanics"

John Dorr K1AR and Bill Fisher W4AN — "North vs. South in CQWW CW 1999"

Dick Norton N6AA — "Skills required to Excel in Contesting"

Gerd Richter DJ5IW — "Two World Records in One Year – CN8WW"

1:00 - 3:00 ATV Fast Scan Television **(SESSION # MSA6)** ..... MHS #1

Moderator: Bill Parker W8DMR

Speakers: Bill Brown WB8ELK — "More High-Flying ATV Adventures"
Brown will discuss highlights of an ATV balloon experiment to capture the Lenoids meteor storm on video from the stratosphere.

Bill Parker W8DMR — "Getting Started in Amateur Television"
Without any external converters, see ATV pictures on your home TV set, where to look, when to look, and what you may see. Video sources, antennas, transmitters and more.

2:00 - 3:00 ARRL – Meet the President **(SESSION # SA13H)** ..... Room 1

Speakers: Jim Haynie W5JBP and George Race WB8BGY

Meet the new ARRL President and the Great Lakes Division Director as well as many other division directors.

2:00 - 2:45 Mobile HF Auto Tuners for Hidden Home Antenna Installations **(SESSION # SA14H)** ..... Room 3

Speaker: Gordon West WB6NOA will present a live demonstration of a fully automatic antenna coupler. Learn how auto-tuners work in the car, and how they may be used in hidden home antenna installations. See an actual tuner doing its thing!

2:45 - 4:00 RTTY **(SESSION # SA15H)** ..... Room 2

Speakers: Frank Fallon N2FF, Hudson Division ARRL Director, will lead a lively question and answer panel discussion about chasing RTTY DX and working RTTY contests. Come and grill the panel of leading RTTY expert operators.

3:00 - 5:00 Ham Radio Live Town Hall Meeting **(SESSION # SA16H)** ..... Room 3

Presented and hosted by Newsline — On April 15, 2000 a new U.S. Amateur Radio Service structure was put in place by the FCC. The agency and most leaders in amateur radio say it will help the service to grow and prosper. The time for politics is over. The future for true hams is here now!

Moderator: Bill Pasternak WA6ITF of KTTV Fox 11 TV / Newsline in Los Angeles, CA — "Restructuring Ham Radio: the Fun is Back!"

Speakers:
Rich Moseson W2VU, Editor CQ Magazine, Hicksville, NY — "The Fun and Diversity of Ham Radio"
Jeff Reinhardt AA6JR, Public Relations Specialist, Agoura, CA — "Spreading the Word of the New Ham Radio"
Joe Eisenberg KØNEB, Computer Consultant, Lincoln, NE — "The Fun of Building Your Own Station," Joe will actually build a kit as he talks.
Chip Margelli K7JA of Yaesu USA, Garden Grove, CA — "The Fun of DX"
Steve Mendelsohn W2ML of ABC Television New York, NY — "The Fun of Public Service in the New York City Marathon"
Gerald Schmitt KK5YY of AMSAT-NA, Los Alamos, NM — "The Fun of Ham Radio In Space"
Greg Lamping WX8N, Educator, Cincinnati, OH — "Fun with Ham Radio In School"
Brian Mileshosky N5ZGT, YHOTY Winner & College Student, Albuquerque, NM — "The Fun of Ham Radio and Scouting"
Bob Heil K9EID, President of Heil Sound Ltd, St. Louis, MO — "Making the Fun Last Forever

3:15 - 5:00 RF Safety **(SESSION # SA17H)** ..... Room 1

Speaker: Gregory D. Lapin, Ph.D., PE, N9GL — ARRL RF Safety Committee Chairman

Topics:
Can RF Hurt Us (YES!) How RF affects biological tissue. What about Cancer? Ways that we can use RF safely.
What causes hams to die? Epidemiology and laboratory studies. Scientific studies in the past. Future plans for more studies.
Keeping your station RF Safe. FCC Evaluation. Antenna and feedline practices.

3:15 - 5:00 County Hunters **(SESSION # MSA7)** ..... MHS #1

Shuttle bus service from Hara is provided.

Moderator: Dave Ertel KJ8V

Speakers:
Robert A. Voss N4CD — County Hunting for the beginner and old-timer alike
Carl "Andy" Andersen W3XE — CW County Hunting and the CW County Hunters Net
Sandy Ertel KJ8W — OM-YL Team mobile County Hunting operation
A quick overview of the 2000 MARAC National Convention will also be presented.

4:15 - 5:00 Short Wave Listening **(SESSION # SA18H)** ..... Room 2

Moderator: Mike Schulsinger N8QHV

Speakers:
Tom Swisher WA8PYR — "Trunk Tracking"
Andrew Yoder — "Low Power Broadcasting"
Mike Schulsingrer N8QHV — "Software Defined with Radio"

SUNDAY, MAY 21

8:00 - 11:00 FCC Enforcement and Rule Making **(SESSION # HSU1)** ..... Room 1

Speakers: William T. Cross W3TN and Riley Hollingsworth K4ZDH speak on enforcement and what's going on in the FCC.

11:15 - 12:45 ARRL – Welcome Section Managers & Field Organization Volunteers **(SESSION # HSU1)** ..... Room 1

Speaker: Joe Phillips K8QOE

FRIDAY, MAY 19

TIME	ROOM 1	ROOM 2	ROOM 3
9:00 a.m.			
10:00 a.m.	TAPR/Digital Packet 10:00-12:45	QRP 10:00-11:30	Weather Satellite 10:00-12:00
11:00 a.m.		Kit Building 11:45-1:15	
NOON			Teacher's Workshop 12:15-2:00
1:00 p.m.	ARRL — Space & Education 1:00-2:00	Amateur Radio & the Law 1:30-3:00	
2:00 p.m.			Gordon West 2:15-3:00
3:00 p.m.	Antenna Tech 2:15-5:00	YLRL 3:15-4:00	AM 3:15-5:00
4:00 p.m.		10/10 Interntl. 4:15-5:00	
5:00 p.m.			

SATURDAY, MAY 20

ROOM 1	ROOM 2	ROOM 3
Am. Red Cross Disaster Comm. 8:30-9:45	Collins 8:30-9:30	Mid-Cars 8:30-10:00
ARRL — Public Service 10:00-10:45	Drake 9:45-10:45	Fox Hunting 10:15-11:45 *(For Fox Hunt, see pg. 16)*
Special Com. Tech. Forum 11:00-11:45	Heath Kit 11:00-12:00	
ARRL PR Forum 12:00-12:45	AMSAT 12:15-2:30	Youth in Amateur Radio 12:00-1:45
20/20 Vision 1:00-1:45		
Meet the Pres. 2:00-3:00		Gordon West 2:00-2:45
RF Safety 3:15-5:00	RTTY 2:45-4:00	Live Town Hall Meeting 3:00-5:00
	SWL 4:15-5:00	

SUNDAY, MAY 21

ROOM 1
FCC Enforcement & Rulemaking with Riley Hollingsworth and Rulemaking with William T. Cross 8:00-11:00
ARRL — Welcome Section Managers & Field Organization Volunteers 11:15-12:45

HARA ARENA FORUMS

SATURDAY, MAY 20

TIME	MHS Auditorium	MHS #1	MHS #2
9:00 a.m.	DXing 8:30-12:30	VHF / UHF Microwave 8:30-10:30	
10:00 a.m.			MARS 10:30-12:00
11:00 a.m.		SSTV 10:45-12:45	
NOON			
1:00 p.m.	Contesting 1:00-4:00	ATV 1:00-3:00	
2:00 p.m.			
3:00 p.m.		County Hunters 3:15-5:00	
4:00 p.m.			
5:00 p.m.			

MEADOWDALE HS FORUMS

NOTES:

- There will only be two forums on Sunday. The rooms will be opened up to one room to accommodate up to 600 people during the FCC forum.
- Some Forums are held at Meadowdale High School, as shown at left. Shuttle bus service from Hara is provided.

Schedule is subject to change.

ABOUT THE COVER ...

You may have noticed that our Program cover is a little different this year. Instead of the usual ham radio photographs, we have symbolically represented the exciting events for our 49th year —

- To some, Y2K is the beginning of the new millennium, to others we are "reaching for the new millennium."
- By hosting the ARRL National Convention, we are offering a golden opportunity to attend two great conventions. The ARRL National Convention theme this year is "2020 Vision," a crucial look at what amateur radio will be like ten and twenty years down the road in the new millennium.
- As everyone knows, the FCC now has only three classes of amateur radio licenses and five words per minute is the new code speed.
- The launch of P3D is scheduled for late July or early August from Kovrou, French Guyana South America.

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Our 49th year
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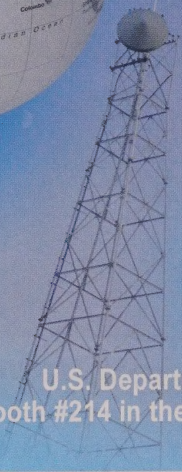

U.S. Department of State Information Technology Recruitment will be at Booth #214 in the North Hall at the Dayton Amateur Radio Association Hamvention May 19-21, 2000

INFORMATION TECHNOLOGY CAREERS

The U.S. Department of State is the lead foreign affairs agency formulating and implementing the President's foreign policy and representing United States interests throughout the world. The Department carries out this mission at over 185 embassies and consulates around the world, offices in the metropolitan Washington, D.C. area and other locations in the United States. The ability to adapt to changing physical environments, work with differing levels of technology and keep abreast of the latest developments and innovations in the IT field are characteristic of Department of State Foreign Service Information Management Specialists and Information Management Technical Specialists. The U.S. Department of State is a unique federal agency offering both **Recruitment Bonuses** and **Retention Incentives** for critical IT skills.

Position Title: FOREIGN SERVICE INFORMATION MANAGEMENT TECHNICAL SPECIALIST (LAN/WAN NETS - TELEPHONE AND RADIO)

Salary Range: $33,665- $49,136
Benefits: Tax-free overseas housing; tax free educational allowance, attractive health care and retirement package, etc.

Position Description: Foreign Service Information Management Technical Specialists (IMTS) are responsible for installing, repairing and maintaining a wide range of local and wide area networking, radio and telephone equipment. IMTS duties include:

- Design, install and maintain various telecommunications, radio, telephone and computer systems;
- Design, install and maintain client/server-based local and wide area networks;
- Provide regional field support and technical assistance to overseas missions;
- Perform technical site surveys to determine technical requirements;
- Conduct fault isolation and technical control of voice frequency leased lines and digital/radio network components.

Position Title: FOREIGN SERVICE INFORMATION MANAGEMENT SPECIALIST

Salary Range: $30,096- $49,136
Benefits: Tax-free overseas housing; tax free educational allowance, attractive health care and retirement package, etc.

Position Description: Foreign Service Information Management Specialists are responsible for all worldwide and domestic information resource management programs and information technology. The work is diverse and challenging. IM employees support a vast spectrum of computer technology, ranging from state-of-the-art systems to the older legacy systems. They are responsible for:

- Installing, maintaining and operating PC local and wide area networks;
- Operating telecommunications and cryptographic equipment;
- Assembling, dispatching, receiving and distributing diplomatic pouches;
- Installing and maintaining telephone systems;
- Maintaining radio and cell phone programs; and
- Performing other duties such as supporting visits of high-level officials, including the President.

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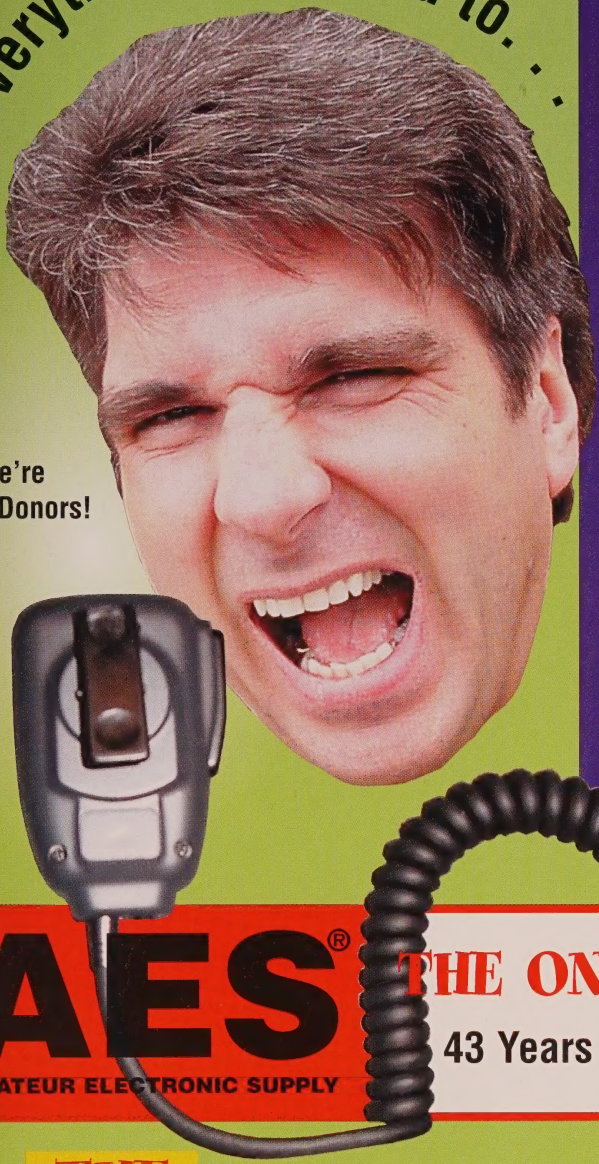

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- **Versatile messaging**
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- **Station list**
  Store received APRS® data in up to 40 station reports.
- **Grid square locator**
  Position data is displayed on the grid square locator for visible reference.
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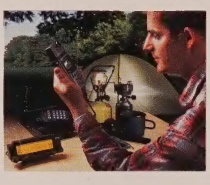
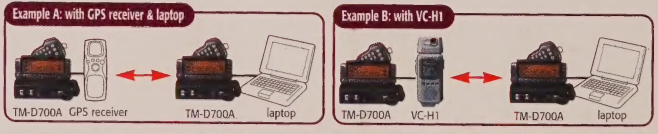


FEATURES

◗ Full Dual-band operation: VHF x VHF/VHF x UHF/UHF x UHF ◗ Wide-band receive: 118–524, 800–1300 MHz (excluding cellular blocked + frequencies) ◗ Detached panel (extension cable and panel holder supplied) with extra-large (188 x 54 dots) backlit LCD and multifunction key display (reversible) ◗ Improved key operation announcement with optional VS-3 voice synthesizer ◗ Built-in 1200/9600bps TNC compliant with AX.25 protocol and KISS mode ◗ Simplified packet monitoring ◗ SSTV functions with Fast FM for transmission of images in just 14 secs (approx.) and dual receive for voice and image transmissions (two frequencies simultaneously) ◗ 200 memory channels with 8-character memory name input ◗ Up to 10 programmable memory scan banks ◗ Easy-to-use menu system similar to the TH-D7A ◗ Built-in DCS (Digital Code Squelch) and CTCSS encode and decode ◗ CTCSS tone frequency scan ◗ DCS code scan ◗ 9600bps PC-based packet communications for chat, BBS ◗ Kenwood Skycommand System (KSS) II for remote control of fixed HF transceiver (TS-570S/D(G) or TS-870S) ◗ DX packet cluster monitoring ◗ Cross-band repeater ◗ Wireless remote controller ◗ 1750Hz tone burst ◗ D-sub 9 pin terminal (for PCs) ◗ GPS input terminal (NMEA-0183) ◗ Visual band scope ◗ Mute function ◗ Memory control program available via Internet access ◗ New backlit microphone with alphanumeric message input.



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